Jeppesen Mobile FliteDeck
User Guide

Version 2.7

JEPPESEN
A BOEING COMPANY

Jeppesen Mobile FliteDeck User Guide

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This document supports version 2.7 of Jeppesen Mobile FliteDeck. The minimum operating system requirement for Jeppesen Mobile FliteDeck 2.7 is iOS 8.4.1.

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Contents

Introduction 1
About This Document 1
Intended Audience 1
Additional References 1
Technical Support 2
Release Summary 2
Release Identification Information 2
Getting Started 3
Basic iPad Gestures 3
JeppFD Global Settings 4
Sleep Mode 4
Flight Info 4
Enroute View 5
Terminal Charts View 6
Weather 7
Account Info 9
Support Information and Settings 10
Setting Up and Editing Your Flight 11
Overview 11
Flight Info Drawer 11
Active Flight 12
Enroute View and Terminal Charts View 12
Set Up Your Route 13
Create a New Flight 13
Enter Route Points 14
Route Point Formats 15
Adding SIDs and STARs 15
Searching for Enroute Objects 17
Search for Enroute Objects 17

Refine Enroute Search Results 18
Working with Saved Flights 19
Save the Active Flight 19
View a Saved Flight 19
Load a Saved Flight 20
Sort Saved Flights 20
Duplicate a Saved Flight 20
Delete a Saved Flight 21
Sharing Flight Information 21
Share Flight Information Device to Device 21
What is Shared Between iPads 23
What is Not Shared Between iPads 24
Share a Route App to App 24
Share a Route to Your Avionics System 24
Load a Route from Your Avionics System 25
Importing a Route from a Flight-Planning System 25
Retrieve Flight Plans and Load a Route 26
Save a Flight Plan Route Without Loading It 28
Display and Load an ATC-Cleared Route 28
Display ATC Clearances 29
Load an ATC-Cleared Route 29
Save an ATC-Cleared Route Without Loading It 30
Editing Your Route 31
Edit Your Route in the Flight Info Drawer 31
Edit Your Route by Interacting with the Map 31
Edit Your Route with Rubber-Band Routing 32
Create User Waypoints 33
Types of User Waypoints 33
Create a Latitude/Longitude User Waypoint 35
Create a Radial DME User Waypoint 36
Create a Named User Waypoint 37
Edit a User Waypoint 38
Remove a User Waypoint from Your Route 38
Delete a User Waypoint 39
Selecting Terminal Charts 39
Chart Types 39
Select Terminal Charts for the Active Flight 40
Navigate Between Selected Charts 41
Switch Between Route Airports 41
Viewing Enroute Map Information 42
Displaying Enroute Themes 42
High IFR, Low IFR, and VFR Themes 42
Switch Between Enroute Themes 42
VFR Aeronautical Data Coverage Areas 43
Filtering the Enroute View 44
Default Filtering of Map Objects 44
Show and Hide Enroute Map Objects 45

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Customized Filtering of Enroute Objects 46
Show at All Scales - Airports, Waypoints, and Navaids 49
Filter Airports by Runway Length 50
Show Only Oceanic Entry and Exit Points 50
Viewing Object Details on the Map 51
Airports 51
Airways 53
Waypoints 54
Navaids 56
Airspace 57
Class B Airspace 58
Terrain 59
Cultural Information 59
Accessing Notes 60
Viewing Your Flight with Respect to the Enroute Air Structure 62
Displaying Ownship on the Enroute Map 62
View Present Position 62
View North Up or Track Up 63
View Distance Calculations 63
Determine Distance with the Offset Indicator 64
Displaying Enroute Weather 64
Accessing Terminal Chart Information 68
Working with Terminal Charts 68
Highlight a Chart 69
Rotate a Chart 69
Print a Terminal Chart 69
Access Charts for Airports Not Associated with an Active Flight 70
Viewing Your Flight with Respect to the Terminal Air Structure 71
Display Ownship on Approach Charts 71
Display Ownship on Taxi Charts 72
Automatic Switch to the Airport Diagram Upon Landing 73
Displaying Terminal Weather 73
Viewing Mid-Cycle Chart Revisions 74
Switch Between Available Chart Versions from the Airports List 74
Switch Between Available Chart Versions on a Chart-by-Chart Basis 76
Performing Data Updates 77
Perform an Update 78
Recognize Updates Bar Color Codes 79
Switch Between Two Available Enroute Database Versions 79
Perform an Unscheduled Update 80
Using the Mobile FliteDeck Toolbar 81
View Manuals 81
View Change Notices 82
Adjust Brightness and Night Theme 83
Adjust Brightness 84

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Switch to Night Theme 84
Display GPS Status 84
Access Settings 85
Updates 85
Help 85
Hide the Terrain Legend 86
Switch to the Airport Diagram Upon Landing 86
Lock the Display 86

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Jeppesen Mobile FliteDeck User Guide

Introduction

This document provides detailed instructions for using Jeppesen Mobile FliteDeck version 2.7, an iOS electronic flight bag (EFB) application.

About This Document

Intended Audience

The intended audiences for the *Mobile FliteDeck User Guide* are pilots and support specialists who are new to Mobile FliteDeck.

Additional References

In addition to this *User Guide*, Jeppesen provides detailed, task-oriented training and documentation for Mobile FliteDeck on the web at the Jeppesen Mobile FliteDeck Training and Documentation page. Help is also available from within the app from the Settings button on the Mobile FliteDeck toolbar.

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Technical Support

Jeppesen provides technical support 24 hours a day, 7 days a week at:

- **North America Toll Free**: 800-537-7225
- **United States Direct**: 303-328-4170
- **United Kingdom:** 44-1293-842407
- **Australia**: 61-73105-9450
- **All Other International:** 49-6102-507004
- **Email**: navsupport@jeppesen.com
- **Web**: jeppesen.com/jeppfd

Release Summary

Thank you for using Jeppesen Mobile FliteDeck. To make our app better for you, Jeppesen iOS applications are continually modified to be fully compatible with the latest Apple operating system and iOS devices. iOS 9 is smarter, faster and more powerful—and so is this latest version of Mobile FliteDeck.

In addition to being compatible with iOS 9 and resolving various known issues, Mobile FliteDeck version 2.7 introduces a VFR enroute theme, enhanced filtering of enroute map information, and the display of ATC clearances.

This release also addresses usability issues with flight plan integration, mid-cycle chart revisions, user waypoint interactions, unscheduled updates, and the in-app help system.

Release Identification Information

This document supports Mobile FliteDeck version 2.7. See the *Jeppesen Mobile FliteDeck Release Notes* for the most updated list of hardware supported and operating system requirements.

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Getting Started

You can use basic iPad gestures to interact with your Mobile FliteDeck app. Mobile FliteDeck does not support the five-finger pinch gesture to minimize the app.

Mobile FliteDeck 2.7 supports both the iOS 9 Slide Over and Picture-in-Picture multitasking functionalities. It does not support the iOS 9 Split View multitasking functionality.

Basic iPad Gestures

Pinch to Zoom

Zoom in and out of the display by moving your thumb and finger in a pinching gesture.

Touch, Hold, then Release

When interacting with the enroute map, you can touch, hold, and then release any object on the map to add it to your route, delete it from your route, or view more information about it.

Double-tap to Zoom Out

Double-tap one finger to zoom out to the full extent of your route (in Enroute view) or to the full extent of the chart (in Terminal Charts view).

Two-finger Swipe to Navigate

Swipe two fingers to flip through your selected terminal charts, like flipping through pages in a book.

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Four-finger Swipe Between Open Apps

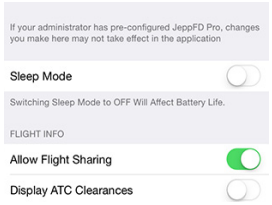
Swipe four fingers to move back and forth between one open app and another. For example, you can do this gesture to navigate back and forth between an open PDF reader and Mobile FliteDeck.

JeppFD Global Settings

To adjust Mobile FliteDeck global settings:

- Tap **Settings** from your iPad Home screen.
- From the list of application settings, tap **JeppFD**.

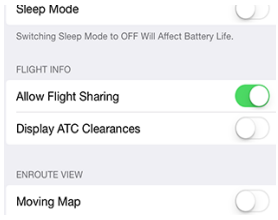
Sleep Mode


If your administrator has pre-configured JeppFD Pro, changes you make here may not take effect in the application
Sleep Mode
Switching Sleep Mode to OFF Will Affect Battery Life.
FLIGHT INFO
Allow Flight Sharing
Display ATC Clearances

You can switch **Sleep Mode** to OFF to ensure that your iPad stays powered on during flight. The setting is ON by default.

NOTE Switching Sleep Mode to OFF reduces the iPad battery life.

Flight Info



Adjust these settings to customize how you send and receive flight information.

Allow Flight Sharing

To share flight information between two iPads actively running Mobile FliteDeck, ensure that **Allow Flight Sharing** is set to ON. The setting is ON by default.

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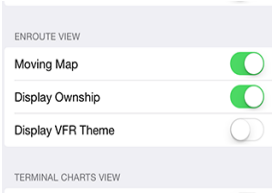
Display ATC Clearances

To display and load ATC cleared routes, ensure that **Display ATC Clearances** is set to ON. The setting is ON by default.

Enroute View

Adjust these settings to customize your enroute view.



NOTE Centering the map over the ownship location and displaying ownship location on the enroute map are both designed to improve situational awareness during enroute flight. This functionality is not to be used as the basis for navigation. Operators may require additional authorizations to use these functions.

Moving Map

To be able to track your aircraft, recenter the enroute map over your aircraft location, and view the enroute map in a track-up orientation, ensure that **Moving Map** is set to ON. The setting is ON by default.

Display Ownship

To display ownship position on the enroute map, ensure that **Display Ownship** is set to ON. The setting is ON by default.

NOTE The minimum GPS accuracy requirement to display ownship on the enroute map is 200 meters.

Display VFR Theme

To be able to display the VFR enroute theme, ensure that **Display VFR Theme** is set to ON. This setting is ON by default.

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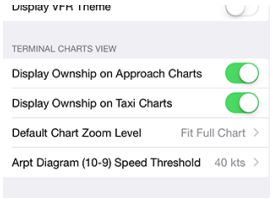

Terminal Charts View

Adjust these settings to customize your Terminal Charts view.

NOTE Displaying ownship position on terminal charts is designed to assist flight crews in orienting themselves on the airport surface and improving pilot positional awareness during taxi operations. This functionality is not to be used as the basis for navigation. Operators might require additional authorizations to use these functions.

Display Ownship on Approach Charts

To display ownship position on the approach chart, ensure that **Display Ownship on Approach Charts** is set to ON. This setting also enables the display of the off-map indicator on approach charts. This setting is set to ON by default.

NOTE The minimum GPS accuracy requirement to display ownship on an approach chart is 50 meters.

Display Ownship on Taxi Charts

To display ownship position on the taxi chart, ensure **Display Ownship on Taxi Charts** is set to ON. This setting is set to ON by default.

NOTE The minimum GPS accuracy requirement to display ownship on a taxi chart is 17 meters.

Default Chart Zoom Level

The Default Chart Zoom Level is the zoom level preference you set for viewing terminal charts. Options are **Fit Full Chart** or **Fit to Width**. Fit Full Chart is the default value.

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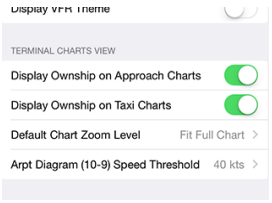
Arpt Diagram (10-9) Speed Threshold



The setting for the **Arpt Diagram (10-9) Speed Threshold** is the speed at which, if enabled and in flight, the automatic switch to a taxi diagram occurs. For more information, see Automatic Switch to the Airport Diagram Upon Landing.

To optimize this setting for your aircraft, adjust the threshold speed. Values range from 30 to 80 knots.The default is 40 knots.

NOTE A GPS signal is required for the automatic switch to a taxi diagram. The minimum GPS accuracy requirement to automatically switch to a taxi diagram and display ownship on a taxi chart is 17 meters.

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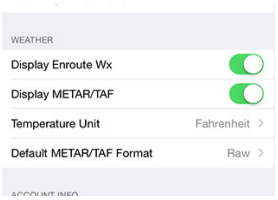

Weather

These settings control your view of weather information.

NOTE Mobile FliteDeck displays an amber enroute weather selection boundary on the enroute map to indicate the extent of your weather coverage area.

Display Enroute Wx

To display weather data overlaid on the enroute map, ensure that **Display Enroute Wx** is set to ON. This setting is set to ON by default.

Display METAR/TAF

To display METAR/TAF information, ensure that **Display METAR/TAF** is set to ON. This setting is set to ON by default.

Temperature Unit and **Default METAR/TAF Format**

Temperature Unit options are **Fahrenheit** (default) or **Celsius.**

Default METAR/TAF Format options set your preference of views for METAR/TAF information. The options are **Raw** (default) or **Decoded.**You can switch between the two view formats from the Weather popover.

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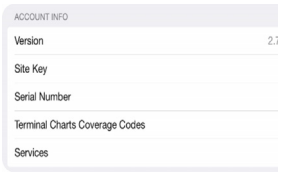
Account Info



These settings include information about the Mobile FliteDeck app and your data coverages.

- **Version** displays the version (and build number) for the Mobile FliteDeck app.
- The **Site Key** is associated with the serial number. There is one site key per device.
- The **Serial Number** defines your Jeppesen subscription coverage area.
- The **Terminal Charts Coverage Codes** identify your terminal chart coverages and is used as a reference for technical support.
- The **Services** flyout provides a place to enter credentials so that you can import flight plan routes, access company-uploaded manuals and share flight information between Mobile FliteDeck and your avionics system.

  Flight Plans

  These fields contain default credentials that you can edit, if required. To import flight plan routes, Mobile FliteDeck requires credentials in these fields. Contact your Jeppesen account manager for credential details.

  Company Manuals

  To access company-uploaded manuals, enter credentials in the Company Manuals fields as directed by your company. Contact your Jeppesen account manager for credential details.

  Allow Avionics Connection

  To enable a connection between Mobile FliteDeck and your avionics system, switch Allow Avionics Connection to ON.

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Support Information and Settings

Jeppesen Support
Terms & Conditions
Reset User Settings
Deactivate
To deactivate, switch Deactivate ON, then relaunch the application. This action will remove all Jeppesen data and clear the activation information.

These settings include information to contact technical support and adjust Mobile FliteDeck application settings. You can:

- Tap the **Jeppesen Support** flyout to display contact information for technical support.

  Contact information includes phone numbers, email and Internet addresses. In addition, there is a **Send log files via Email** option. This option enables you to email log files from your iPad to Jeppesen to assist in providing technical support.

- Tap **Terms & Conditions** to display URLs for both the current Application and the Data terms and conditions.
- Switch **Reset User Settings** to ON to restore all Mobile FliteDeck settings to their default values. To complete resetting user settings, relaunch Mobile FliteDeck after switching this option ON, and tap **Proceed** to confirm restoring user settings.
- Switch **Deactivate** to ON to remove all Jeppesen data and clear the activation information from the iPad. To complete the deactivation, relaunch Mobile FliteDeck after switching this setting ON, and tap **Proceed** to confirm the deactivation process. *This action releases the Site Key*.

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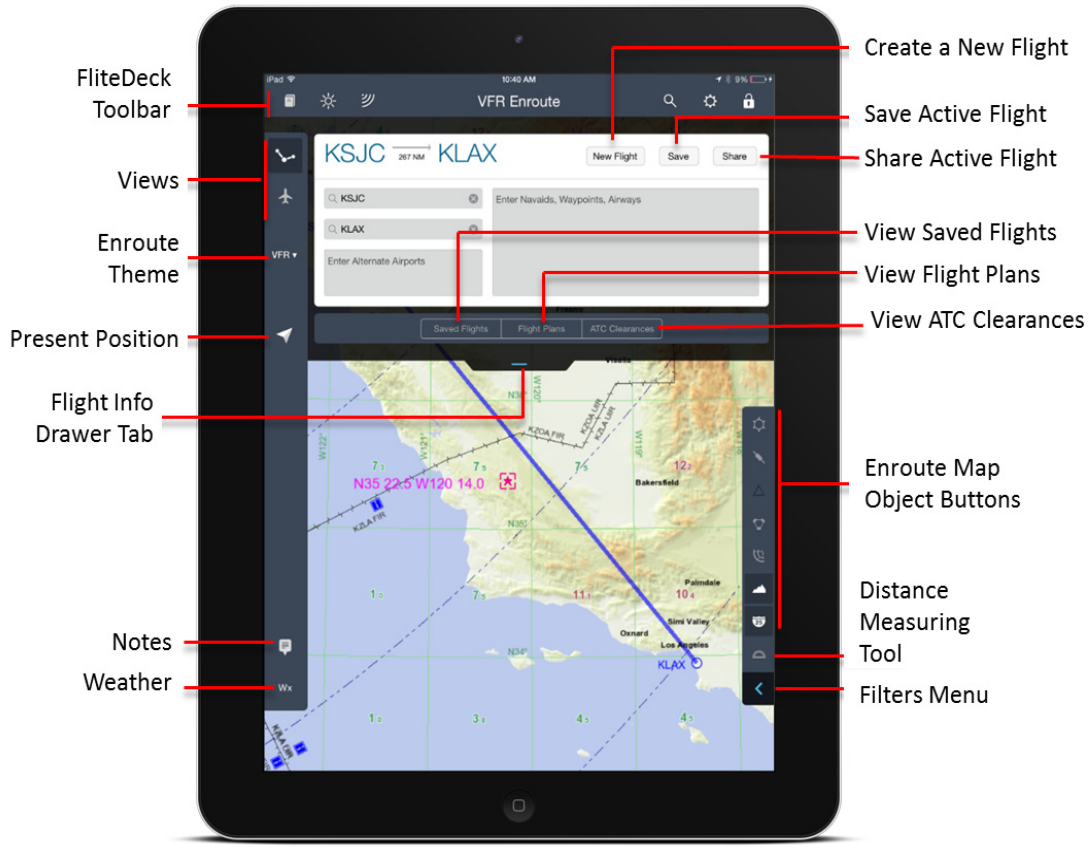
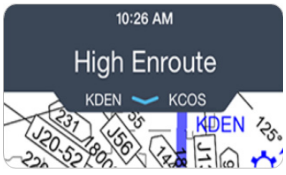
Setting Up and Editing Your Flight

Mobile FliteDeck makes it easy to access the information you use most.

Overview



Flight Info Drawer



The Flight Info drawer is where you create new flights. It is also where you can edit, save, and share flights; import flight plan routes, and access ATC clearances.

To open and close the expandable Flight Info drawer, tap the Flight Info drawer tab.

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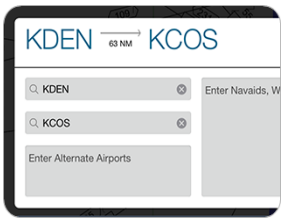
Active Flight



The active flight is the displayed flight. It includes origin and destination airports, any alternate airports, and the route description.

The active flight also includes any terminal charts associated with the flight that you have selected.

The name of the active flight appears on the Flight Info drawer.

Enroute View and Terminal Charts View

To view the active flight with respect to either the enroute or terminal air structures:

- To access the enroute map, tap the **Enroute** view button.
- To access terminal charts, tap the **Terminal Charts** view button.

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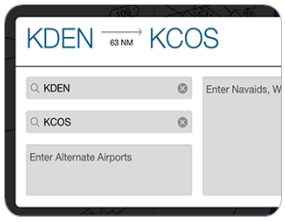
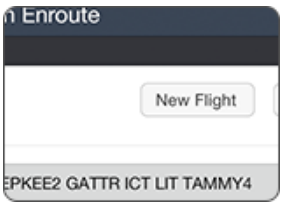
Set Up Your Route



There are several ways to set up your route. You can:

- Manually enter the route information into the Flight Info drawer or from interacting with the map.
- Load a saved flight from your list of saved flights.
- Load a route from a flight shared from another device, another app, or from your avionics system.
- Load a route from an imported flight plan.
- Load a cleared-ATC route.

This section describes how you can manually enter route information.



Create a New Flight

To create a new flight by manually entering route information in the Flight Info drawer:

1. Open the Flight Info drawer.
2. Tap the **New Flight** button.
3. Tap in each field and enter the origin, destination, and any alternate airports for the new flight.
   - Identify airports using either the city name, airport ICAO, or IATA identifier.
   - If multiple alternate airports are entered, separate each with a space.

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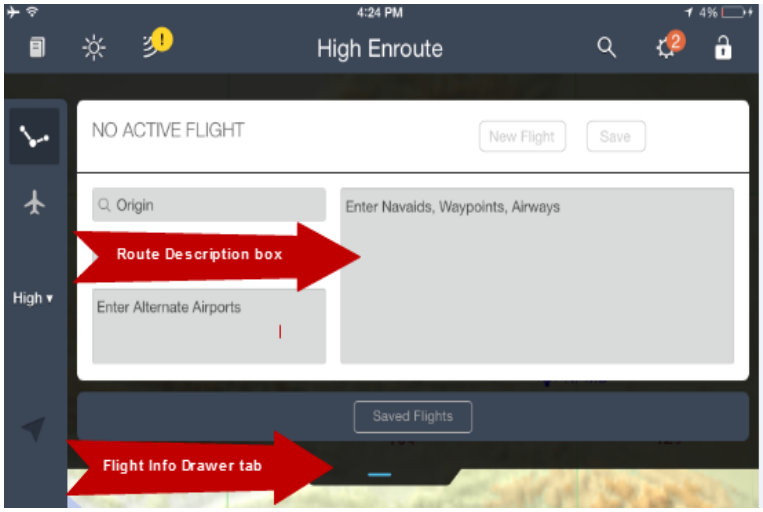
Enter Route Points

To add navaids, waypoints, and airways to your route:

1. Tap in the route description box and enter route points.
   - You can use either the keyboard or copy and paste to enter your route.
   - Mobile FliteDeck automatically adds all airports that you enter in the route to the list of route airports available to you from the Terminal Charts view.
   - You can create routes from any object that is available through Search.
   - For more information on valid route point formats, see Route Point Formats.
   - For more information on entering SIDs/STARs, see Adding SIDs and STARs.



2. Tap **Done** on the keyboard when you finish entering your flight information.
3. Tap the Flight Info drawer tab to close the drawer.

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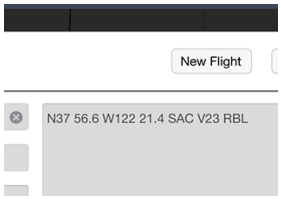
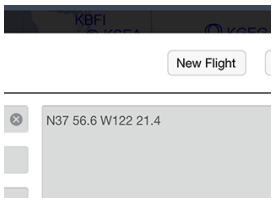
Route Point Formats



Both plain language and dot-notation formats are supported in the route description. For example:

- N37 56.6 W122 21.4 SAC V23 RBL (plain language)
- N37.56.6.W122.21.4.SAC.V23.RBL (dot-notation)

Latitude and Longitude Coordinate Formats



Mobile FliteDeck supports the following latitude and longitude coordinate formats in the route description:

- NxxWxxx (N37W122)
- Nxx.x Wxxx.x (N37.5 W122.2)
- Nxx xx.x Wxxx xx.x (N37 56.6 W122 21.4)
- Nxx xx.xx Wxxx xx.xx (N37 56.60 W122 21.40)
- NxxxWxxxx (N375W1222)
- N xx xx W xxx xx (N 37 56 W 122 40)
- XXXXN (5275N)
- XXNXX (75N70)
- XXNXXXW(37N122W)

Adding SIDs and STARs

After you enter origin and destination airports, you can enter a SID or a STAR (or both) in the route description box.

When the runway is a part of the route description, transition points are depicted on the enroute map by a dashed line. A label that identifies the procedure appears along the dashed line.

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To render SID or STAR transition points on the enroute map use this format:

- SID: rwy.SID.transition
- STAR: transition.STAR.rwy

For example, to enter the *EPKEE 3 RNAV* departure out of KDEN, departing on Runway 08, via the GATTR enroute transition, you would enter: 08.EPKEE3.GATTR

NOTE Mobile FliteDeck depicts SID and STAR transition points on the enroute map to support situational awareness. Always brief the SID or STAR terminal procedure.

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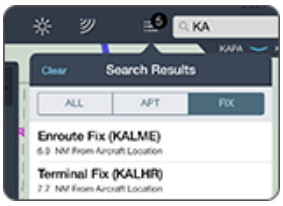
Searching for Enroute Objects

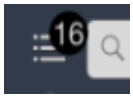
Mobile FliteDeck searches across all enroute themes when you perform a search. For example, when you are viewing the High IFR theme and perform a search, the search results will include objects from all themes, High IFR, Low IFR, and VFR.



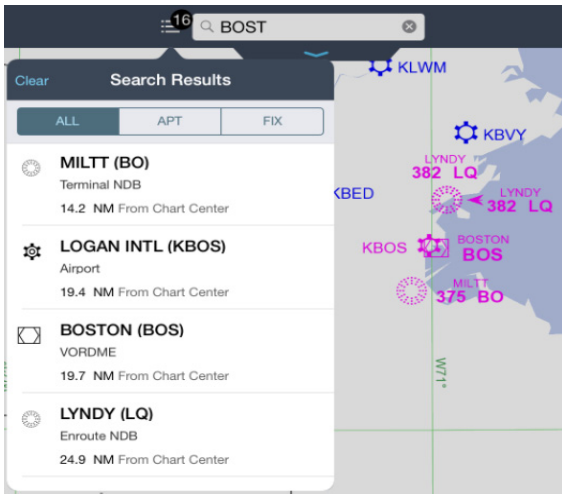
Search for Enroute Objects

To search for objects on the enroute map:

1. Tap the **Search** button.
2. Enter the city name, object name, or airport ICAO or IATA identifier in the search field that appears on the toolbar.
3. Tap the **Search Results** button or tap **Done** on the keyboard to display the search results.
   - The number of search results appears on the **Search Results** button.



   - Search results highlight in the viewable area on the enroute map and display in a list of results available from the **Search Results** button.



4. Select a search result to view the details popover.

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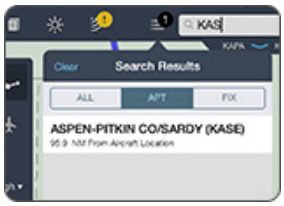
5. Review more information about the object by tapping any flyout (>) from the object popover, or you can add the object to your route.

Refine Enroute Search Results



To refine enroute search results, tap the **APT** or **FIX** button at the top of the search results list. For example, to view only airports in the search results, tap **APT.** To view only fixes in the search results, tap **FIX**.

About Search Results

Mobile FliteDeck search results have the following characteristics:

- They are not limited by the map view. You can pan the map or zoom out to see search results outside the current map view.
- They appear in the search results list and are ordered by distance either from the map center or from your aircraft position. You can scroll the list to see the name and distance of objects that are farther away.
- They are returned across enroute themes (High IFR, Low IFR, and VFR).
- They are not limited to objects filtered on the map.

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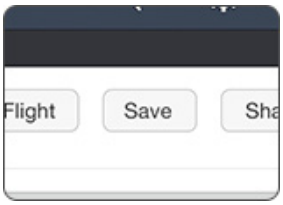
Working with Saved Flights

This section describes how you might enter your route by working with saved flights.

Save the Active Flight

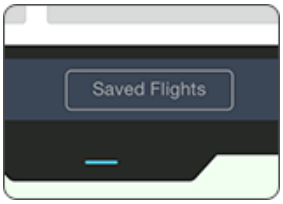


To save an active flight, with the flight loaded in the Flight Info drawer, tap the **Save** button at the top of the Flight Info drawer.

Each time that you save a flight, Mobile FliteDeck adds it to the Saved Flights list.

NOTE A saved flight includes the route description as well as any selected terminal charts that are associated with the flight.

View a Saved Flight



To view saved flights:

1. Open the Flight Info drawer.
2. Tap the **Saved Flights** button at the bottom of the drawer.
3. Tap a saved flight from the list of saved flights to expand its view.

   Mobile FliteDeck displays route information, date last saved, and any selected terminal charts associated with the flight.
4. Tap the saved flight again to collapse the view.

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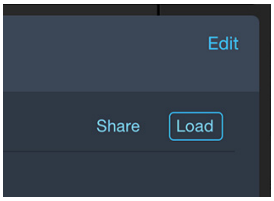
Load a Saved Flight

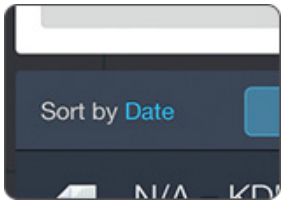


To load a saved flight:

1. Open the Flight Info drawer.
2. Tap the **Saved Flights** button at the bottom of the drawer.
3. Tap a saved flight from the list to expand its view.
4. Tap the **Load** button.

   Mobile FliteDeck loads the flight information and the flight becomes the active flight.
5. Tap the Flight Info drawer tab to close the drawer.

Sort Saved Flights

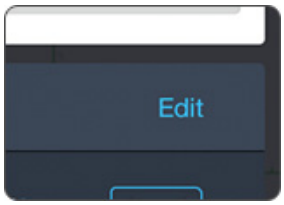


To sort saved flights:

1. Open the Flight Info drawer.
2. Tap the **Saved Flights** button at the bottom of the drawer.
3. Tap either **Sort by Date** (Date Updated) or **Sort by Name** (Flights By Name) to select a sorting option.

Duplicate a Saved Flight

You might need to consider or plan for two different scenarios for the same airport pair. To do so, first create the flight, select your charts, and save the flight. Then, duplicate the saved flight and make any changes to the duplicated flight.



To duplicate a saved flight:

1. Open the Flight Info drawer.
2. Tap the **Saved Flights** button at the bottom of the drawer.
3. Tap **Edit**, and then tap the check mark circle next to the flight that you want to duplicate.

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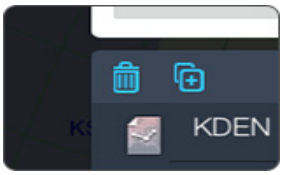
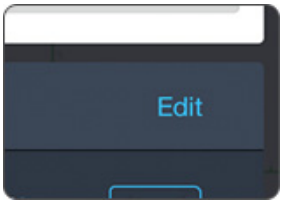


4. Tap the **Duplicate** (plus sign) button.

Delete a Saved Flight



To delete a saved flight:

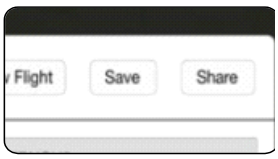
1. Open the Flight Info drawer.
1. Tap the **Saved Flights** button at the bottom of the drawer.
2. Tap the **Edit** button, and then tap the check mark circle next to the flight that you want to delete.
3. Tap the **Delete** (Trashcan) button.

Sharing Flight Information

Another way to set up your route is by loading a shared flight.

NOTE To share flight information between two iPads, ensure that both iPads have established a Wi-Fi or Bluetooth connection, that Allow Flight Sharing is set to ON in JeppFD global settings, and that Mobile FliteDeck is running on both iPads.

Share Flight Information Device to Device



To share an active flight from one iPad running Mobile FliteDeck to another:

1. Open the Flight Info drawer.
2. Tap the **Share** button at the top of the drawer.

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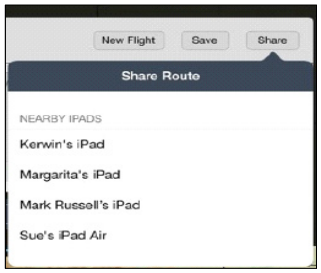
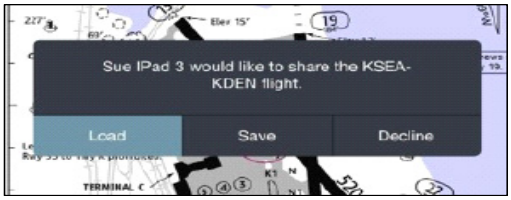
3. From the list of nearby devices, select the iPad with which you want to share.



Mobile FliteDeck displays a notification on the receiving iPad that you would like to share flight information.

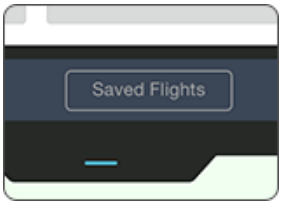
4. The recipient chooses to **Load**, **Save**, or **Decline**.



The sending iPad then displays *Shared* or *Declined*, depending on the action the recipient chooses.

Share a Saved Flight Between Devices Without Loading It

To share a saved flight (without loading it):



1. Open the Flight Info drawer.
2. Tap the **Saved Flights** button at the bottom of the drawer.
3. Tap a saved flight to expand its view.

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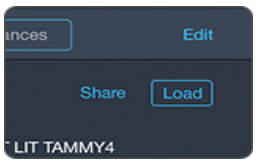

4. Tap the **Share** button for the selected flight.

   From the list of nearby iPads, select the iPad with which you want to share.

   Mobile FliteDeck displays a notification on the receiving iPad that you would like to share flight information. The recipient chooses to **Load**, **Save**, or **Decline**.

NOTE To share flight information between two iPads, ensure that both iPads have established a Wi-Fi or Bluetooth connection, that Allow Flight Sharing is set to ON in JeppFD global settings, and that Mobile FliteDeck is running on both iPads.

What is Shared Between iPads

When you share Mobile FliteDeck flight information from one iPad to another, the following is shared:

- Origin, destination, and any alternate airports
- Navaids, waypoints, (including user waypoints), and airways that are a part of the route
- Selected terminal charts for the flight

NOTE Both iPads must include the terminal chart coverage area of the selected terminal chart to successfully share the selected charts.

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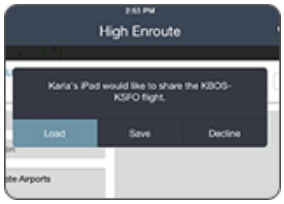
What is Not Shared Between iPads

When you share Mobile FliteDeck flight information from one iPad to another, the following is *not* shared:

- Highlights on terminal charts
- Rotated view of terminal charts
- Comments associated with user waypoints
- Customized enroute map object filter settings

Share a Route App to App



To share a route from a flight-planning app on your iPad to the Mobile FliteDeck app:

1. Load the route in the flight-planning app.
2. Select the option to share with Mobile FliteDeck.

   Mobile FliteDeck opens and displays a notification that an app would like to share a flight and displays these options: **Load, Save**, or **Decline.**
3. Complete the procedure by doing one of the following from the Mobile FliteDeck app:

- Tap **Load** to load the route as the active flight.
- Tap **Save** to add the route to the list of Mobile FliteDeck saved flights.
- Tap **Decline** to reject the request.

Share a Route to Your Avionics System

NOTE To share a route between Mobile FliteDeck and your avionics system, ensure that Services > Allow Avionics Connection is set to ON in JeppFD global settings, and that your iPad is connected to the avionics Wi-Fi.

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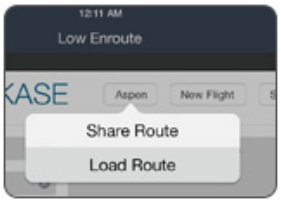

To share a route to your avionics system:

1. Open the Flight Info drawer.
2. Load the flight that you want to share into the Flight Info drawer, if it is not already the active flight.
3. Tap the **Avionics** button at the top of the Flight Info drawer.
4. Tap **Share Route**.

Load a Route from Your Avionics System

NOTE To load a route between Mobile FliteDeck and your avionics system, ensure that Services > Allow Avionics Connection is set to ON in JeppFD global settings, and that your iPad is connected to the avionics Wi-Fi.

To load a route from your avionics system into the Flight Info drawer:

1. Open the Flight Info drawer.
2. Tap the **Avionics** button at the top of the drawer.
3. Tap **Load Route**.

Importing a Route from a Flight-Planning System

This section describes how you might enter a route by importing the route from a flight plan.

You can import a route from any flight-planning system that is set up to deliver flight plans to Mobile FliteDeck. Jeppesen has implemented a system that communicates with Mobile FliteDeck.

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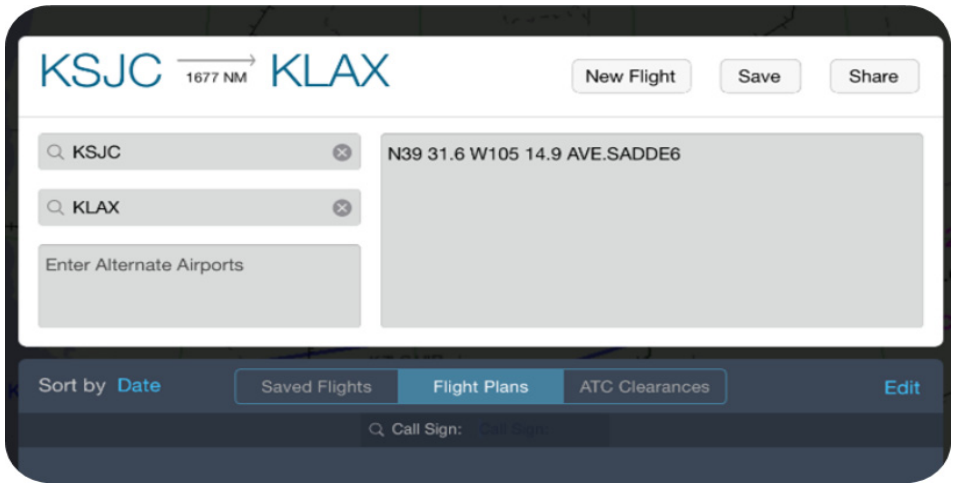
In addition, when any Jeppesen flight-planning system is used to generate a flight plan, a copy of that flight plan can be easily sent to the Jeppesen system. This functionality ensures that any flight plan created using a Jeppesen flight-planning system can be easily accessed from within Mobile FliteDeck.

NOTE To work with flight plans, ensure that valid credentials are entered under Services > Flight Plans in JeppFD global settings and an Internet connection is established.



Retrieve Flight Plans and Load a Route

Mobile FliteDeck displays plans that correspond to the designated call sign, and that have an ETD from six hours into the future to twenty-four hours into the past.

To retrieve flight plans and load a route:

1. Open the Flight Info drawer.
2. Tap the **Flight Plans** button.

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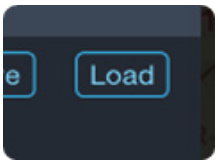
3. Enter the call sign for the aircraft (for example, NJ104F or CMB123).
4. Tap **DONE** on the keyboard.

   Mobile FliteDeck displays a list of future and past flight plans for that call sign sorted by ETD newest to oldest.
5. Tap a flight plan to select it.
6. Tap the **Load** button.

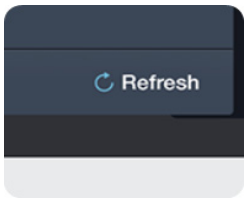


   Mobile FliteDeck loads the route in the Flight Info drawer with origin, destination, alternate airports, if any, and the route description.

   Flight plan routes can include the following information:

   - Named user waypoints as long as they are included in the source.
   - SIDs and STARs. To view SID and STAR transition points on the enroute map, ensure that the associated runway is entered in the route string. See Adding SIDs and STARs for more information.
7. Close the Flight Info drawer to view the loaded route.Close the Flight Info drawer to view the loaded route.

Refresh the List of Flight Plans



Mobile FliteDeck displays the time and date that the list of flight plans was last updated at the bottom of the list.

As long as you are connected to the Internet, you can refresh the list to check if any updates have become available since the last time you accessed the flight plans.

To refresh the list of flight plans, tap the **Refresh** button at the bottom of the list.

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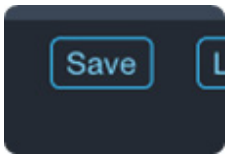
Save a Flight Plan Route Without Loading It

When you save a flight plan route without loading it, Mobile FliteDeck adds the route to the list of saved flights on your iPad. It does not change the active flight in the Flight Info drawer.

To save a flight plan route without loading it:

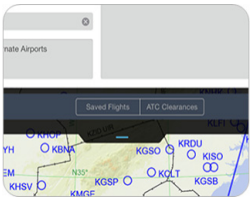


1. Open the Flight Info drawer.
2. Tap the **Flight Plans** button.
3. Enter the call sign for the aircraft (for example, NJ104F or CMB123).
4. Tap **DONE** on the keyboard.

   Mobile FliteDeck displays a list of future and past flight plans for that call sign sorted by ETD newest to oldest.
5. Tap a flight plan to select it.
6. Tap the **Save** button next to the flight plan.

   Mobile FliteDeck updates the list of saved flights with the flight plan route.

Display and Load an ATC-Cleared Route



This section describes how you might enter your route by loading a cleared ATC route.

With Mobile FliteDeck you can become aware of current clearing trends. You can view cleared routes for the past 24 hours between a city pair and you can load a cleared route into the Flight Info drawer. Clearances are grouped by route and are available for any flight within, into, or out of the United States.

NOTE To display ATC clearances, ensure that Display ATC Clearances is set to ON in JeppFD global settings and an Internet connection is established.

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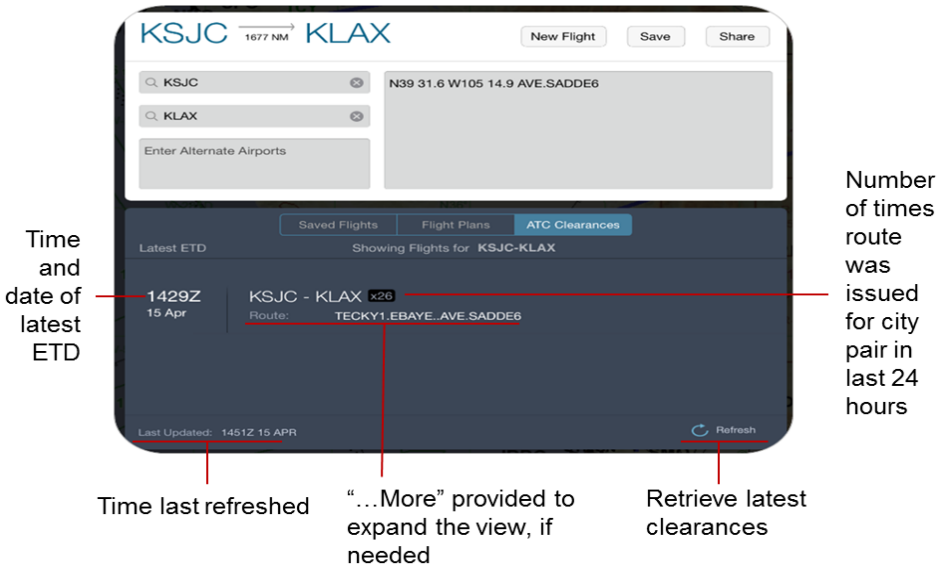
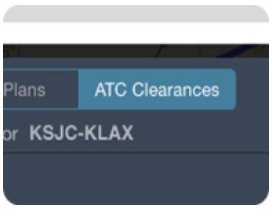


Display ATC Clearances

To display ATC clearances after you have entered origin and destination airports in the Flight Info drawer:



1. Open the Flight Info Drawer.
2. Tap the **ATC Clearances** button.

   Mobile FliteDeck displays clearances that have occurred for that city pair in the last 24 hours.

   The time and date that the list was last updated appears at the bottom of the list.
3. Tap **Refresh** to retrieve the latest clearances.

Load an ATC-Cleared Route

To load an ATC-cleared route as the active flight:

1. Open the Flight Info Drawer.
2. Tap the **ATC Clearances** button.

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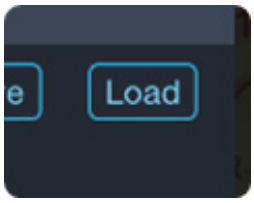
3. From the list of displayed clearances, tap the desired clearance to select it.
4. Tap the **Load** button next to the clearance.



Mobile FliteDeck loads the route as the active flight.

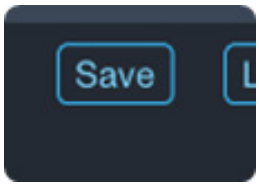
NOTE Loading an ATC-cleared route is different than loading a saved flight because it does not change alternate airports or terminal chart selections.

Save an ATC-Cleared Route Without Loading It

Saving an ATC-cleared route does not change the active flight. When you save an ATC-cleared route without loading it, Mobile FliteDeck adds the route to the list of saved flights.

To save an ATC-cleared route without loading it as the active flight:

1. Open the Flight Info Drawer.
2. Tap the **ATC Clearances** button.
3. From the list of displayed clearances, tap the desired clearance to select it.
4. Tap the **Save** button.



Mobile FliteDeck updates the list of saved flights with the route.

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Editing Your Route

There are several ways you can edit your route. You can edit a route from within the Flight Info drawer or by interacting with the enroute map itself.

Edit Your Route in the Flight Info Drawer

To edit your route from within the Flight Info drawer:

1. Open the Flight Info Drawer.
   - To add, delete, or edit airports, tap in the origin, destination, or alternate airport fields and edit the information.
   - To add, delete, or edit any of the route points for the active flight, tap in the route description box and edit the route description.
2. Tap **Done** on the keyboard.
3. Tap the Flight Info drawer tab to close the drawer.

Edit Your Route by Interacting with the Map

To edit the route of the active flight by interacting with the enroute map:

1. Touch, hold, and release a point or object along your intended route.

   Mobile FliteDeck displays additional information for that object.

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2. Depending on the object selected, you can create a user waypoint, review additional information, select the object to add it to, or remove it from your route.

NOTE The Direct To option is available when the Moving Map setting in JeppFD global settings is enabled and the minimum GPS accuracy requirement is met.

Edit Your Route with Rubber-Band Routing

To edit your route using rubber-band routing:

1. Touch a point along the existing route line.

   Mobile FliteDeck displays a point along the route line.

2. Drag the route line with your finger to the point that you want to add to the route and release.
3. After you release your finger, select the action that you want to perform.

NOTE The Direct To option is available when the Moving Map setting in JeppFD global settings is enabled and the minimum GPS accuracy requirement is met.

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Create User Waypoints

You can create user waypoints from inside the Flight Info drawer or by interacting with the enroute map.

NOTE User waypoints that are a part of a route can be shared between iPads and are available in all enroute themes and zoom scales.

When you create user waypoints by interacting with the map you can also name and add comments to the waypoint.

Types of User Waypoints

Any user waypoint that is named, or created from the map and not added to a route, is considered *permanent*.

Permanent user waypoints must be individually deleted in order to eliminate them from the enroute map. Removing a permanent user waypoint from the route or clearing the route when creating a new flight does not delete a permanent user waypoint.

Any user waypoint that is part of an imported route, or created from the map without a name, is considered *temporary*.

Temporary user waypoints are removed when the waypoint is removed from the route or when the route is cleared when creating a new flight.

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The following list provides some common examples of the types of user waypoints that you can create:

- **Latitude/Longitude User Waypoints**—You can add these waypoints to your route to view a point in space for a single instance of a route.

  When you add this type of waypoint to your route, it is considered temporary and is removed when the route is cleared or when you remove it manually. For more information, see Remove a User Waypoint from Your Route.

- **Radial DME User Waypoints**—The location of these waypoints is based on the radial DME that you enter in the Name field.

  When you add this type of waypoint to your route, it is considered temporary and is removed when the route is cleared, or you remove it manually. For more information, see Remove a User Waypoint from Your Route.

- **Named User Waypoints**—These user waypoints are considered permanent. You can create them to name a point in space for easier recognition and recall.

  Named user waypoints may or may not be part of a route. They are not removed when a route is cleared. You must manually delete named user waypoints. For more information, see Delete a User Waypoint

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Create a Latitude/Longitude User Waypoint

To create a latitude/longitude user waypoint by interacting with the map:

1. Touch, hold, and release the enroute map at the location where you want to insert a waypoint.

   Mobile FliteDeck displays the New Waypoint popover.

   - To enter comments, tap in the **Comments** field.

2. Complete the action by doing one of the following:

   - To add the waypoint to your current route, tap **Add to Route**.
   - To add the waypoint to the current route and remove all points between your aircraft position and the waypoint, tap **Direct To**.

NOTE The Direct To option is available when the Moving Map setting in JeppFD global settings is set to ON and the minimum GPS accuracy requirement is met.

   - To create the latitude/longitude waypoint without adding it to your route (in which case it would be considered a permanent waypoint), tap **Done** at the top of the New Waypoint popover.

   Mobile FliteDeck displays the latitude and longitude coordinates for the newly created user waypoint on the map.

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Create a Radial DME User Waypoint

Assume that air traffic control instructs you to fly: "Direct to 26 DME on 156 radial off of Falcon VOR."

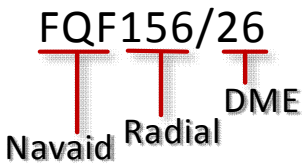
You can quickly create a radial DME user waypoint by interacting with the map. To create a temporary radial DME user waypoint:

1. Touch, hold, and release the enroute map.

   FliteDeck displays the New Waypoint popover.

2. In the **Name** field, enter the VOR ident, radial, and DME.

   Radials must be entered using three digits with a forward slash between the radial and the DME, and they must not include any spaces. Example: FQF156/26



3. To enter comments, tap in the **Comments** field.
4. Complete the action by doing one of the following:
   - To add the waypoint to your current route, tap **Add to Route**.
   - To add the waypoint to the current route and remove all points between your aircraft position and the waypoint, tap **Direct To**.

   Mobile FliteDeck displays the user waypoint on the map in the location based on the radial DME that you entered in the Name field.

NOTE The Direct To option is available when the Moving Map setting in JeppFD global settings is set to ON and the minimum GPS accuracy requirement is met.

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Create a Named User Waypoint

To create a named user waypoint by interacting with the map:

1. Touch, hold, and release the enroute map at the location where you want to insert a waypoint.

   Mobile FliteDeck displays the New Waypoint popover.

2. In the **Name** field, enter a name.

   You can include any characters available on the keyboard in the waypoint name, including spaces. The maximum length of a user waypoint name cannot exceed the area provided in the popover.

3. To enter comments, tap in the **Comments** field.

4. Complete the action by doing one of the following:

   - To add the waypoint to your current route, tap **Add to Route**.
   - To add the waypoint to the current route and remove all points between your aircraft position and the waypoint, tap **Direct To**.

NOTE The Direct To option is available when the Moving Map setting in JeppFD global settings is set to ON and the minimum GPS accuracy requirement is met.

   - To create a named user waypoint without adding it to your route, tap **Done** at the top of the New Waypoint popover.

   Mobile FliteDeck displays the name for the newly created user waypoint on the map.

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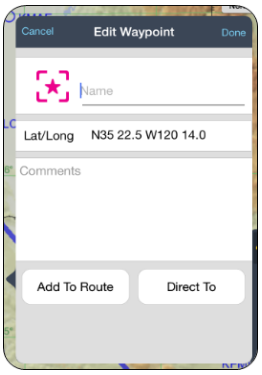
Edit a User Waypoint



To edit a user waypoint:

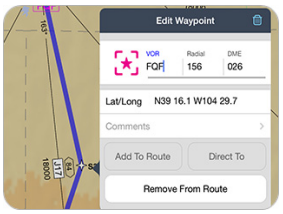
1. Touch, hold, and release the user waypoint.

   Mobile FliteDeck displays the Waypoint popover.

2. Complete the action by doing one of the following:
   - To edit the name, tap in the **Name** field and use the keyboard to edit the name. To complete the edit, tap **Done** at the top of the Waypoint popover.
   - To edit comments, tap in the **Comments** field and use the keyboard to edit comments. To complete the edit, tap **Done** at the top of the Waypoint popover.
   - To add the user waypoint to your current route (if it is not already added), tap **Add to Route**.
   - To add the user waypoint to your current route and remove all points between your aircraft position and the waypoint, tap **Direct To**.

NOTE The Direct To option is available when the Moving Map setting in JeppFD global settings is set to ON and the minimum GPS accuracy requirement is met.

Remove a User Waypoint from Your Route



To remove a temporary user waypoint from your route:

1. Touch, hold, and release the user waypoint that you want to remove.

   Mobile FliteDeck displays the Edit Waypoint popover.

2. Tap the **Remove From Route** button, and then confirm the removal.

   Mobile FliteDeck removes the waypoint from your route.

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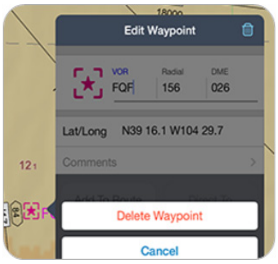
Delete a User Waypoint



Any user waypoint that is named, or first created and not added to a route, is considered permanent. To delete a permanent user waypoint:

1. Touch, hold, and release the user waypoint that you want to delete.

   Mobile FliteDeck displays the Edit Waypoint popover.

2. Tap the **Delete** (trashcan) button at the top of the popover, and then confirm the deletion.

   Mobile FliteDeck deletes the waypoint from your route and from the enroute map.

Selecting Terminal Charts

At any point after you enter origin and destination airports, you can preview and select terminal charts for your flight, including charts for alternate airports.

Chart Types

From the Terminal Charts view, the available chart type are:

- **REF**: Reference charts that are nonprocedural, sorted alphabetically by title.
- **STAR** (Standard Terminal Arrival Route): Arrival charts, sorted alphabetically by title.
- **APP**: Approach charts, grouped by runway and sorted by index number.
- **TAXI**: Taxi charts, sorted by index number.

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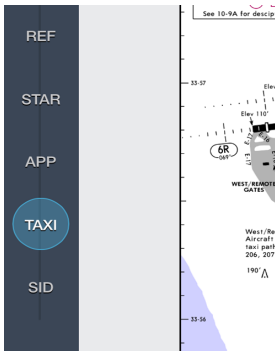
- **SID** (Standard Instrument Departure): Departure charts, sorted alphabetically by title.

NOTE By default, the first time that you tap the Terminal Charts view button from an active flight, Mobile FliteDeck displays the taxi chart for the *origin* airport.

Select Terminal Charts for the Active Flight



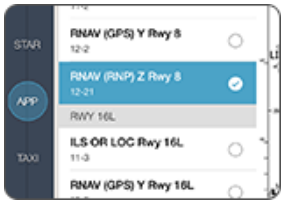
To preview and select charts from any chart type associated with the active flight:

1. Tap an available chart type button (**REF**, **STAR**, **APP**, **TAXI**, or **SID**).

   Mobile FliteDeck highlights the selected chart type and displays a list of those charts.

   - To preview a chart, tap the chart title.
   - To select a chart, tap the circle next to the chart title.

   Mobile FliteDeck places a check mark next to the selected chart and adds the chart to the Selected Charts bar for the active flight.



NOTE After you select a chart from within a chart type, whenever you tap that chart type button again, the last viewed, selected chart from that chart type appears. If no charts are selected within a chart type, the chart list opens.

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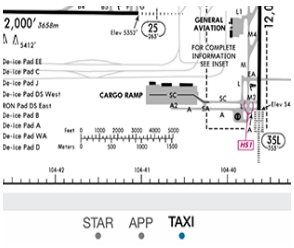
Navigate Between Selected Charts

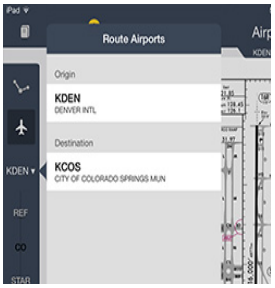


Each selected terminal chart is represented by a pagination dot on the Selected Charts bar located under the chart display.

To navigate between selected charts, you can:

- Use a two-finger swipe, as though you are turning the pages of a book.
- Tap outside on the left or right side of the selected charts bar to move to the previous or next chart.
- Tap the chart type button to jump across multiple selected charts.

Switch Between Route Airports



To switch between airports associated with the active flight (including any alternate airports):

1. Tap the **Airports** button.

   Mobile FliteDeck displays all airports associated with the active flight.

2. Tap an airport from the route airport list to access its terminal charts.

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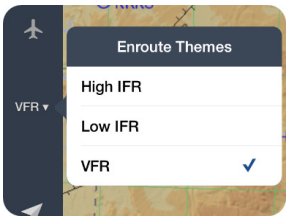
Viewing Enroute Map Information

Mobile FliteDeck enables you to increase situational awareness by viewing your flight with respect to the enroute air structure.

Displaying Enroute Themes

High IFR, Low IFR, and VFR Themes

Mobile FliteDeck provides three enroute themes available from within the Enroute view:

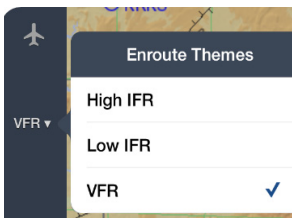


- **High IFR** provides aeronautical information for enroute instrument navigation facilitating operations generally above FL180.
- **Low IFR** provides aeronautical information for enroute instrument navigation facilitating operations generally below FL180.
- **VFR** provides aeronautical information for conducting flight under visual conditions in the United States and parts of Europe. For more information see VFR Aeronautical Data Coverage Areas as described on page 43 .

NOTE To display the VFR enroute theme, ensure that Display VFR Theme is set to ON in JeppFD global settings.

Switch Between Enroute Themes

To switch between enroute themes:



1. From the Enroute view, tap the **Enroute Theme** button.
2. Tap your preferred enroute theme.

When you switch between enroute themes and a route object is not included in the theme that you switch to, Mobile FliteDeck displays that object as a standard waypoint on the enroute map.

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For example, if you add a VFR checkpoint to your route from the VFR enroute theme, and then switch to the Low IFR enroute theme, Mobile FliteDeck displays the checkpoint with a standard waypoint symbol. When you switch back to the VFR enroute theme, Mobile FliteDeck

.

VFR Aeronautical Data Coverage Areas

VFR data coverage areas are subject to change. As of this release date, the following countries include VFR aeronautical data represented in the new Mobile FliteDeck VFR enroute theme.

Albania	Germany	Netherlands
Austria	Gibraltar	Norway
Belgium	Greece	Poland
Bosnia and Herzegovina	Hungary	Portugal
Canary Islands	Ireland	Serbia and Montenegro
Croatia	Italy	Slovakia
Cyprus	Kosovo	Slovenia
Czech Republic	Latvia	Spain
Denmark	Lithuania	Switzerland
Estonia	Luxembourg	Sweden
Finland	Macedonia	United Kingdom
France	Malta	United States

NOTE You may see VFR airports outside these coverage areas.

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Filtering the Enroute View

Default Filtering of Map Objects

Depending on your zoom level and selected enroute theme, certain map objects are automatically filtered to declutter your enroute map view.

NOTE Mobile FliteDeck displays any object that is a part of your route on the map regardless of the object's show/hide status, enroute theme, or zoom level.

The following table defines the default settings for the display of enroute map objects at specific zoom levels and enroute themes, including the VFR theme.

Enroute Map Object	High IFR	Low IFR	VFR
Airports	160 nm/in	80 nm/in	80 nm/in
Airways	80 nm/in	40 nm/in	40 nm/in
Waypoints	20 nm/in	20 nm/in	20 nm/in
Navaids	80 nm/in	40 nm/in	40 nm/in
Airspace	80 nm/in	40 nm/in	40 nm/in
Terrain	200 nm/in	200 nm/in	200 nm/in
Cultural	Never	Never	Always

NOTE Airports, waypoints, and navaids show on the map at all zoom levels when **Show at All Scales** is switched ON for the respective object. See Show at All Scales - Airports, Waypoints, and Navaids for more information.

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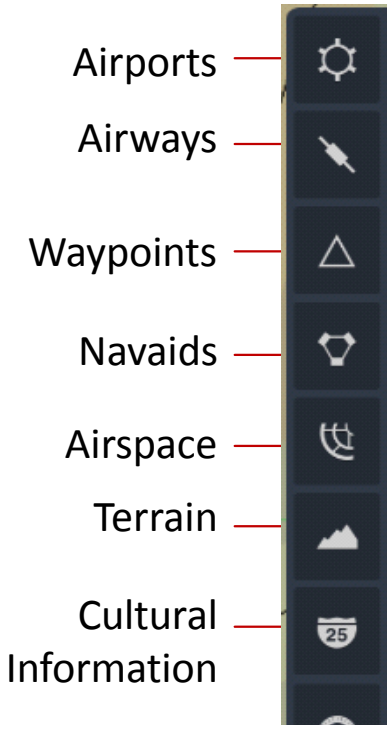
Show and Hide Enroute Map Objects

You can tap the enroute object buttons along the right side of the enroute map to show and hide specific map objects.



NOTE The Cultural Information button is available from the VFR enroute theme.

To display the VFR enroute theme, ensure that Display VFR Theme is set to ON in JeppFD global settings.

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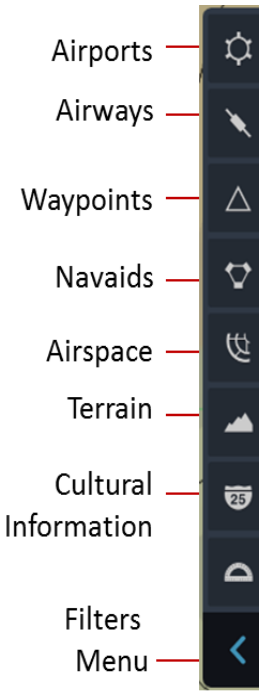
Customized Filtering of Enroute Objects

You can also filter specific types of enroute objects for even more precise control of your enroute view.

To further filter your enroute map view:

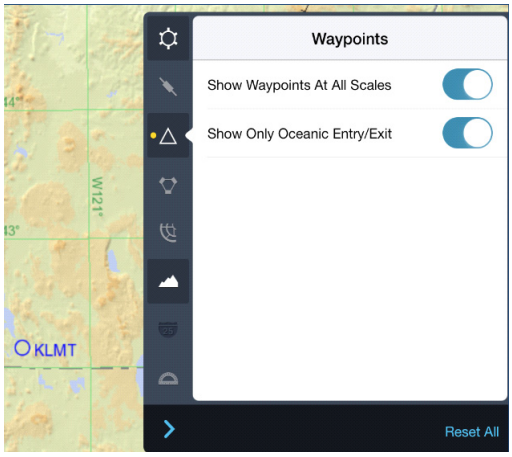


1. Tap the **Filters Menu** button (<) to expand the menu.

   The filters menu opens to the Airports menu by default.
2. Tap the button that corresponds to the object type that you want to filter.
3. Make any changes to filter the display of that object.

NOTE If the display of the object that the Filters menu is related to is not showing on the enroute map, tap the object button to show the filtered object on the map.

4. Tap away from the expanded menu or tap the **Filters Menu** button (>) to collapse the menu.



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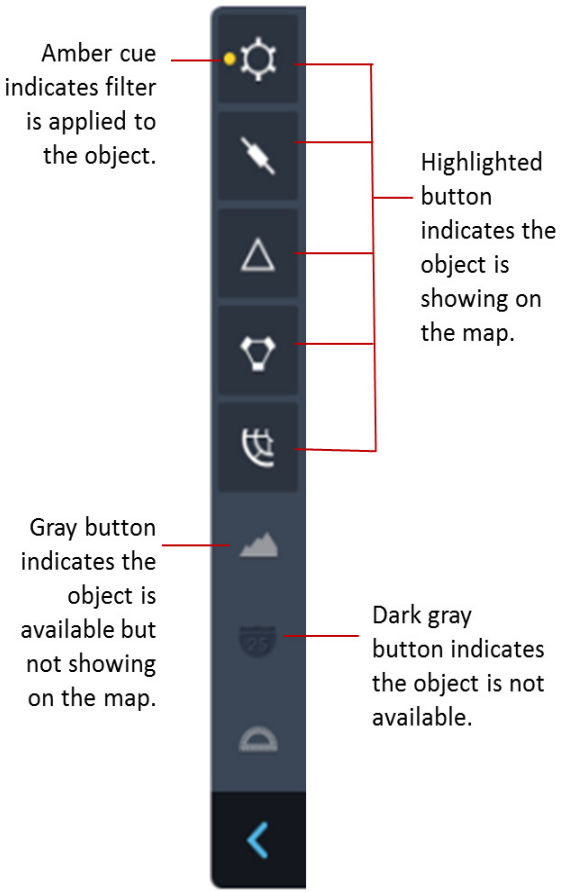
Enroute Object Button States

Mobile FliteDeck displays four different object button states:

- An amber cue indicates that a filter is applied to the object.
- Highlighted buttons indicate that the object is showing on the map.
- Gray buttons indicate that the object is available but not showing on the map.
- Dark gray buttons indicate that the object is not available at the current zoom level or from the selected enroute theme..


Amber cue indicates filter is applied to the object.
Highlighted button indicates the object is showing on the map.
Gray button indicates the object is available but not showing on the map.
Dark gray button indicates the object is not available.

NOTE When you tap a map object button for an object that is not visible at the current zoom scale or enroute theme, the filters menu is still available for that object type.

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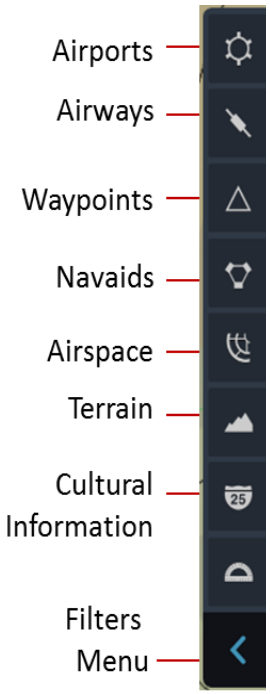
Enroute Object Filters

The filters available for each enroute map object are as follows:



- **Airports:** You can set a minimum runway length for airports that appear on the map. See Filter Airports by Runway Length for more information.

  You can also customize your view to show airports at all zoom scales. See Show at All Scales - Airports, Waypoints, and Navaids for more information.

  In the VFR theme, you can specify whether to show or hide heliports, seaports, and private airports.

- **Airways:** No additional filters are available for airways in either of the IFR themes.

  In the VFR theme, you can show or hide low-altitude airways and other routes. Other routes include VFR routes and military training routes.

- **Waypoints:** You can show waypoints at all zoom scales. See Show at All Scales - Airports, Waypoints, and Navaids for more information.

  You can also specify whether to show or hide only oceanic entries or exit points in the IFR themes. See Show Only Oceanic Entry and Exit Points for more information. In the VFR theme, you can show waypoints at all zoom scales. Additionally, you can show or hide low altitude waypoints, VFR checkpoints, and VFR waypoints.

- **Navaids:** You can customize your view in IFR and VFR themes to show navaids at all zoom scales. See Show at All Scales - Airports, Waypoints, and Navaids for more information.

- **Airspace:** You can customize the airspace display to show or hide controlled airspace, ATC sectors, restricted airspace, prohibited airspace, warning and danger areas, and other. The Other category includes ADIZ, alert areas, equipment boundaries, MOAs, QNE/QNH boundaries, and training areas.

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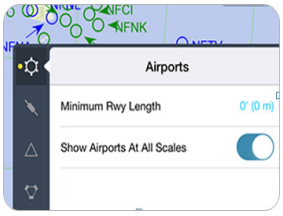
- **Terrain:** No additional filters are available for terrain.
- **Cultural Information:** The cultural information button is available from the VFR theme. You can customize cultural information to show or hide city names, city patterns, high tension lines, obstacles, railroads, and roads.

Show at All Scales - Airports, Waypoints, and Navaids



In less dense parts of the world, you might need to view airports, waypoints, and navaids at a larger map scale so that you can view this data within the context of your route and other information on the map.

The Show at All Scales filter enables you view these objects at all scales, regardless of your zoom level. To view airports, waypoints, and navaids at all scales:

1. Tap the **Filters Menu** button (<) to expand the menu.
2. For each of the following objects that you want to view at all scales, tap its corresponding button:
   - Airports

NOTE The filters menu opens to the Airports menu by default. Tapping that button with the filter menu open, shows and hides Airports.

   - Waypoints
   - Navaids
3. Switch **Show At All Scales** to ON.
4. If the object is currently not showing on the map, tap the object button to show the filtered object on the map.
5. Tap away from the expanded menu or tap the **Filters Menu** button (>) to collapse the menu.

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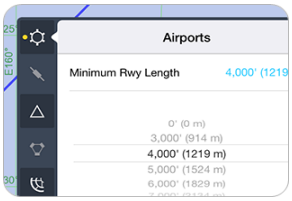
Filter Airports by Runway Length



You can filter airports by runway length to limit airports that appear on the enroute map. To filter airports by runway length:

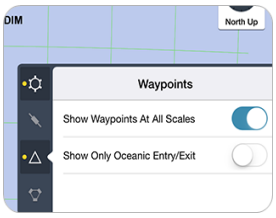
1. Tap the **Filters Menu** button (<) to expand the menu.

NOTE The filters menu opens to the Airports menu by default.

2. Tap the **Minimum Rwy Length** value and select the desired runway length.
3. Tap away from the expanded menu or tap the **Filters Menu** button (>) to collapse the menu.

NOTE You can apply both the Show Airports at All Scales option and the Minimum Runway Length filter at the same time. This combined selection results in all airports with runways equal to or greater than the selected length showing at all scales.

Show Only Oceanic Entry and Exit Points



Displaying only oceanic entry and exit points can also be useful in certain areas of the world.

To show only oceanic entry and exit points:

1. From either the High IFR or Low IFR enroute theme, tap the **Filters Menu** button (<) to expand the menu.
2. Tap the **Waypoints** button to access the filter.
3. Switch **Show Only Oceanic Entry/Exit** to ON.
4. Tap away from the expanded menu or tap the **Filters Menu** button (>) to collapse the menu.

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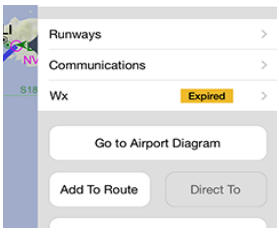
Viewing Object Details on the Map

Generally, the closer the zoom level, the more information is displayed on the enroute map about an object.

To learn more about an object that is displayed on the map, touch, hold, and release the object. Mobile FliteDeck highlights the object and displays an object details popover.

Airports



In addition to general airport information, the Airport popover includes information for runways, communications, notes, and weather, if available.

To view details about an airport:

1. Touch, hold, and release the airport symbol.

- Tap **Runways** to view runway information.

  Mobile FliteDeck displays the size and surface of all runways at the airport.

  Reciprocal airport runways are grouped together in ascending order.

  - Tap a specific runway to view more information, such as displaced threshold, lighting, and TDZ elevation.
  - Tap **Communications** to view airport communication information grouped by type. When more than two of a given type are available, the first two are provided. Tap the **More** button to display more frequencies.
  - Tap **Wx** to view METAR/TAF information at the airport.
  - Tap **Notes,** if available, to review operational notes associated with the airport. These notes are also indicated visually on the enroute map by blue "i" icons.

2. Tap away from the popover to dismiss it.

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You can also perform one of the following actions from an airport popover:

- Tap **Go to Airport Diagram** to switch to the Terminal Charts view and view that airport diagram.
- Tap **Add to Route** to add the airport to your current route (if it is not already).
- Tap **Remove from Route** to remove the airport form your route i (if it is currently a part of your route).
- Tap **Direct To** to add the airport to your current route and remove all points between your aircraft position and the airport.

NOTE The Direct To option is available when the Moving Map setting in JeppFD global settings is set to ON and the minimum GPS accuracy requirement is met. Flying Direct To removes all route points between your current aircraft position and the selected object.

VFR Airports

VFR airports displayed in the VFR enroute theme include:

- VFR and low-use airports
- Balloon facilities
- Glider ports
- Hang glider facilities
- Heliports
- Private airfields
- Seaplane bases
- Ultralight activity areas

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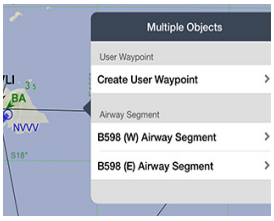
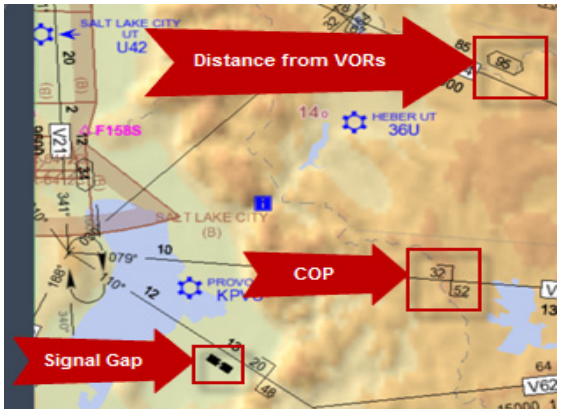
Airways



To view details for an airway, touch, hold, and release the airway. You might be prompted to select a particular airway segment.

The airway popover displays the airway name, segment start and end, segment distance, latitude and longitude coordinates, inbound and outbound bearings, mileage between navaids, any altitude requirements, access to cruise tables, and any restrictions.

Mobile FliteDeck displays distances between VORs, changeover points, and signal gaps on an airway, when zoomed in to a relevant zoom level and airways are set to show, or when an airway is part of the route description.



VFR Routes

VFR routes displayed in the VFR enroute theme include:

- Advisory routes.
- VFR flyways.
- Military low flying routes.
- Military training routes.
- VFR transition routes-Europe.
- VFR transition routes-USA.

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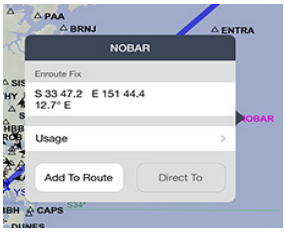
Waypoints



To view details for a waypoint, touch, hold, and release a waypoint. The waypoint popover displays the following information:

- Enroute fix or waypoint name
- Latitude and longitude coordinates
- Usage information, if applicable
- Intersection information, if any

  Tapping the Intersection Info button displays a detailed view of the intersection formation.
- You can also do one of the following from a waypoint popover:
  - Tap **Add to Route** to add the waypoint to your current route (if it is not already).
  - Tap **Remove from Route** to remove the waypoint form your route (if it is currently a part of your route).
  - Tap **Direct To** to add the waypoint to your current route and remove all points between your aircraft position and the waypoint.

NOTE The Direct To option is available when the Moving Map setting in JeppFD global settings is set to ON and the minimum GPS accuracy requirement is met. Flying Direct To removes all route points between your current aircraft position and the selected object.

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VFR Waypoints

VFR waypoints displayed in the VFR enroute theme include:

- VFR waypoints.
- VFR checkpoints.
- VFR landmarks.
- Compulsory / non-compulsory reporting points.
- Compulsory / non-compulsory helicopter VFR reporting points.
- Military route mileage breaks.
- Advisory route mileage breaks.

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Navaids

To view details for a navaid, touch, hold, and release a navaid on the enroute map. The navaid popover displays the following information:

- Navaid name and identifier
- Geographic location
- Latitude and longitude coordinates
- Station declination or magnetic variation
- Morse code
- Type of navaid
- Additional information about the navaid type and usage, if applicable
- You can also do one of the following from a navaid popover:
  - Tap **Add to Route** to add the navaid to your current route (if it is not already).
  - Tap **Remove from Route** to remove the navaid form your route (if it is currently a part of your route).
  - Tap **Direct To** to add the navaid to your current route and remove all points between your aircraft position and the navaid.

NOTE The Direct To option is available when the Moving Map setting in JeppFD global settings is set to ON and the minimum GPS accuracy requirement is met. Flying Direct To removes all route points between your current aircraft position and the selected object.

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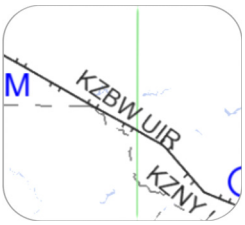
Airspace



To view details about airspace, touch, hold, and release the airspace boundary. The details available for airspace depend on the type of airspace selected.

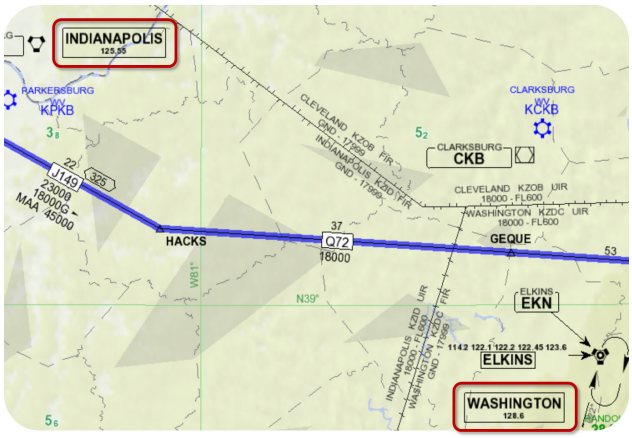
FIR/UIR Boundaries

To view details about a specific FIR/UIR boundary, touch, hold, and release the boundary. The FIR/UIR popover displays the following information:

- Upper and lower limits
- Communication information, if available
- Access to cruise tables
- Notes, if any

ARTCC/ATC Sector Information

In Canada and the United States, in the Low IFR Enroute theme, Mobile FliteDeck displays geo-referenced area traffic control centers with communication frequencies when zoomed in to a relevant zoom level and airspace is set to show, making an ATC handoff easier.



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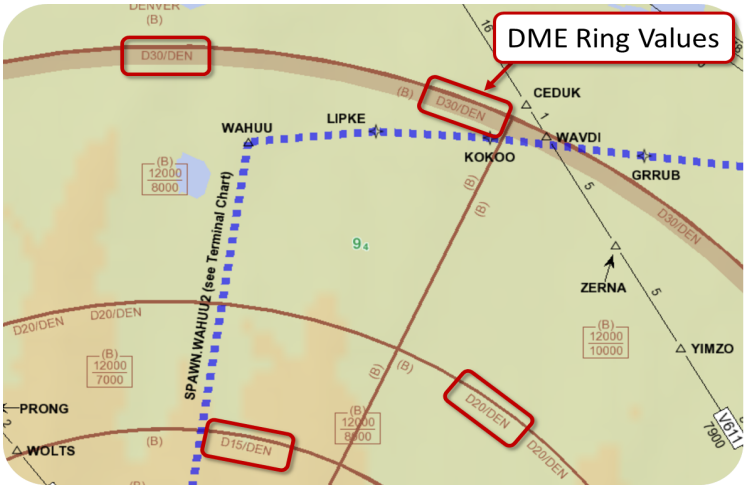
Class B Airspace

Mobile FliteDeck displays DME arc values on the map for Class B airspace when zoomed in to a relevant zoom level and airspace is set to show.



VFR Airspace

VFR airspace displayed in the VFR enroute theme includes boundaries for the following areas:

- Flight information zones
- Helicopter traffic areas
- Helicopter traffic zones
- VFR traffic areas
- Bird areas
- Flight information services
- Glider areas
- Hang glider areas
- Local flying areas
- Low level routes
- Gas venting areas
- Military low flying areas
- Mode C areas
- Nature reserve areas
- Parachute jumping areas
- Special flight areas
- Traffic advisory areas
- Ultralight areas
- Intense radio areas
- Parachute areas
- Prohibited overflight areas

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Terrain

You can show or hide terrain. When terrain is set to show, Mobile FliteDeck overlays the terrain legend on the enroute map.

You can hide the terrain legend that appears on the enroute map when terrain is showing by tapping the settings button on the Mobile FliteDeck toolbar. For more information on hiding the terrain legend, see Hide the Terrain Legend.

Cultural Information

Cultural objects are available only from the VFR enroute theme. The Cultural Information button displays the following information:

- City names
- City patterns
- High tension lines
- Obstacles (such as, buildings, towers, plants, suspended bridges, and windmills)
- Railroads
- Roads

VFR Obstacles

To view details about an obstacle displayed in the VFR theme, touch, hold, and release the obstacle symbol.

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The VFR obstacle popover displays the following information:

- Type of obstacle
- Latitude and longitude coordinates
- Elevation
- Height
- Lighting
- Number of obstacles

Accessing Notes

Mobile FliteDeck provides notes based on your current view. Your zoom level must be approximately 100NM/in or less to access them.

To access notes along your route:

1. Tap the **Notes** button.
2. Select the type of note that you want to view.
3. Tap the desired note.

   Mobile FliteDeck highlights the object on the map to which the note applies.

All of the notes provided on precomposed paper charts are available:

- **Operational:** Tactically important information regarding specific navigation elements. These notes are equivalent to Ball Flag notes on paper charts and are indicated visually on the enroute map by blue "i" icons. You can also access operational notes directly from the enroute map by tapping, holding, and then releasing the associated blue “i” icons.
- **Regional:** Procedures, conditions, or requirements for a specific geographical region. These notes are equivalent to Floating notes on paper charts.
- **Reference:** Aeronautical reference information for large charted areas. These notes are equivalent to End Panel notes on paper charts.

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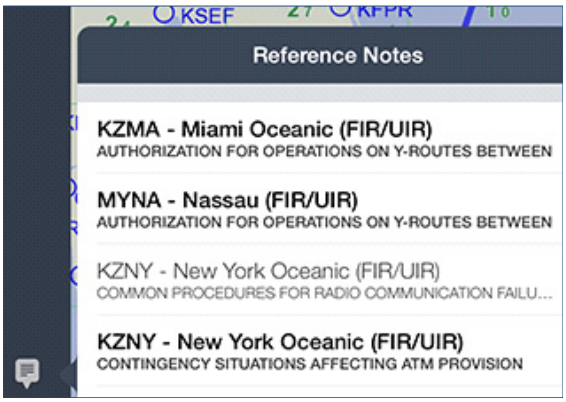
Notes that have already been read will be de-emphasized in the list as long as the map view remains unchanged.


KSEF
KFPR
Reference Notes
KZMA - Miami Oceanic (FIR/UIR)
AUTHORIZATION FOR OPERATIONS ON Y-ROUTES BETWEEN
MYNA - Nassau (FIR/UIR)
AUTHORIZATION FOR OPERATIONS ON Y-ROUTES BETWEEN
KZNY - New York Oceanic (FIR/UIR)
COMMON PROCEDURES FOR RADIO COMMUNICATION FAILU...
KZNY - New York Oceanic (FIR/UIR)
CONTINGENCY SITUATIONS AFFECTING ATM PROVISION

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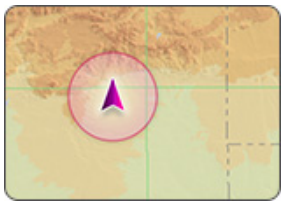
Viewing Your Flight with Respect to the Enroute Air Structure

NOTE Centering the map over the ownship location and displaying ownship location on the enroute map are both designed to improve situational awareness during enroute flight. This functionality is not to be used as the basis for navigation. Operators may require additional authorizations to use these functions.

Displaying Ownship on the Enroute Map



Your current aircraft position is available on the enroute map when:

- Moving Map and Display Ownship in JeppFD global settings are set to ON.
- The minimum GPS accuracy requirement is met.

NOTE The minimum required GPS accuracy to display ownship on the enroute map is 200 meters.

View Present Position

To recenter the map over your aircraft position after you have panned away, tap the **Present Position** button.

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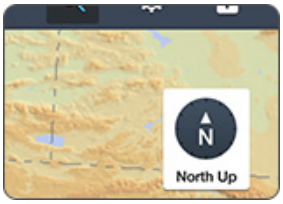
The Present Position button is available in the Enroute view when:

- Moving Map in JeppFD global settings is set to ON.
- The minimum required GPS accuracy to display ownship on the enroute map is met.

NOTE The minimum required GPS accuracy to display ownship on the enroute map is 200 meters.

View North Up or Track Up



To change the enroute map orientation, tap the **North Up** or **Track Up** button on the enroute map to switch between orientations.

NOTE To change the orientation to Track Up, the Moving Map settings in JeppFD global settings is set to ON.

View Distance Calculations

The distance-measuring tool provides a set of range rings or arcs that you can show and hide by tapping a button.

To show and hide the range rings, tap the **Range Rings** button.

As you zoom in or out, the range rings change with the map scale. The center-most ring includes a compass rose that indicates true north, south, east, and west.

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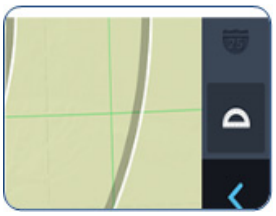
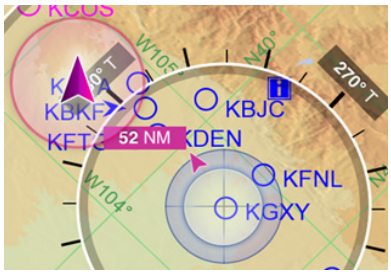
Determine Distance with the Offset Indicator



To determine the distance and direction from your aircraft to any other object on the map:

1. Tap the **Range Rings** button to show the range rings.
2. Pan the map so that the map object in question is in the center of the inner range ring.

   A magenta offset indicator appears, showing distance and direction to your aircraft position.



NOTE To determine distance with the offset indicator, the Moving Map setting in JeppFD global settings must be set to ON.

Displaying Enroute Weather

Weather data is provided by Jeppesen. Jeppesen receives source data primarily from the National Weather Service and the UK Met Office, as well as other private weather providers that Jeppesen utilizes in creating aviation-specific weather information.

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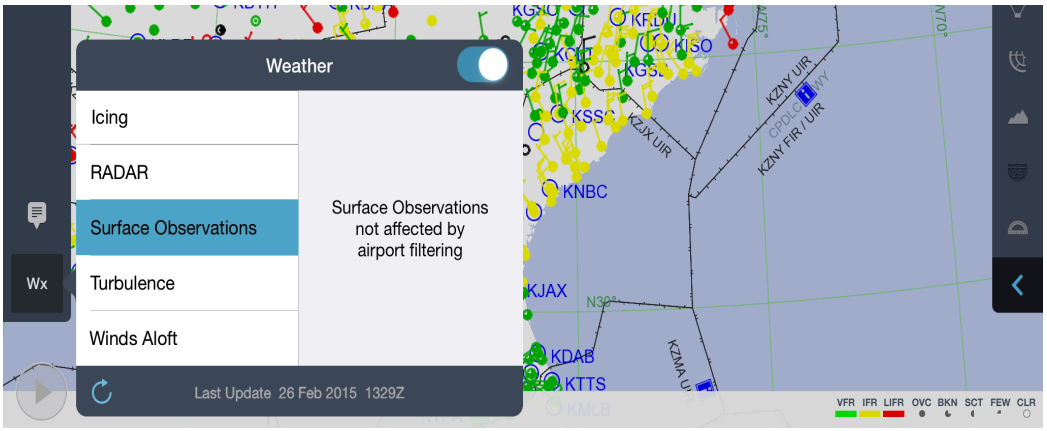

Mobile FliteDeck displays an enroute weather selection boundary on the enroute map to indicate the extent of your weather coverage area.

NOTE To receive enroute weather data, ensure that **Display Enroute Wx** is set to ON in JeppFD global settings and an Internet connection must be established.

To display enroute weather:

1. Tap the **Wx** button.
2. Switch **Weather** to ON.
3. Tap the weather type that you want to view.

Enroute weather types include: surface observations, RADAR (NEXRAD, echo tops, and lightning), and icing, turbulence, and winds aloft forecasts.

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About Enroute Weather Updates

After you establish an Internet connection and switch **Weather** to ON, Mobile FliteDeck checks the selected weather type for updates. Mobile FliteDeck downloads weather data within the radius of your route or scales data to your coverage area.

- If your enroute data coverage is not worldwide, Mobile FliteDeck downloads weather data only within the boundaries of your enroute data coverage.
- If your enroute data coverage is worldwide, and a route is entered, Mobile FliteDeck downloads weather data only for an area that extends 1,000 NM around your route (including the beginning and ending points of the route).
- If your enroute data coverage is worldwide, but no route is entered, Mobile FliteDeck downloads weather data for the selected weather type for the entire worldwide coverage.

Weather information for the selected weather type is automatically checked every six minutes. At this interval, only weather that has been updated on the Jeppesen Weather server is updated on your iPad.

Surface Observations

To view surface observations:

1. Tap the **Weather** button.
2. Switch **Weather** to ON.
3. Tap **Surface Observations**.
4. Tap away from the Weather popover to dismiss it and view the weather overlaid on the map.

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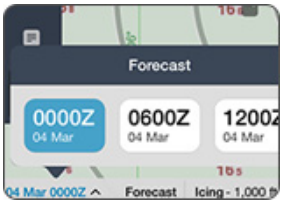
Icing, Turbulence, and Winds Aloft Forecasts

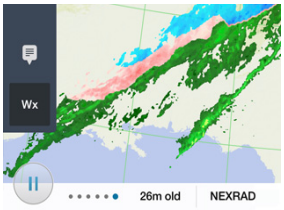


To viewicing, turbulence, or winds aloft forecasts:

1. Tap the **Weather** button.
2. Switch **Weather** to ON.
3. Tap **Icing**, **Turbulence**, or **Winds Aloft**.
4. Tap the altitude at which you want to view the forecast weather.
5. Tap away from the Weather popover to dismiss it and view the weather overlaid on the map.

NOTE You can display up to four weather forecast images. To change to a different forecast period after you select the weather type, tap the **Forecast** button and then select a different forecast time.

RADAR



To view NEXRAD, echo tops, or lightning:

1. Tap the **Weather** button.
2. Switch **Weather** to ON.
3. Tap the **RADAR** button.
4. Tap the type of RADAR weather that you want to view.
5. Tap away from the Weather popover to dismiss it and view the weather overlaid on the map.
6. Tap the **Play** button to cycle through the series of multiple images.

NOTE After you tap Play, the animation continues to cycle through the images until you either tap the Pause button or deselect the weather type to stop viewing it.

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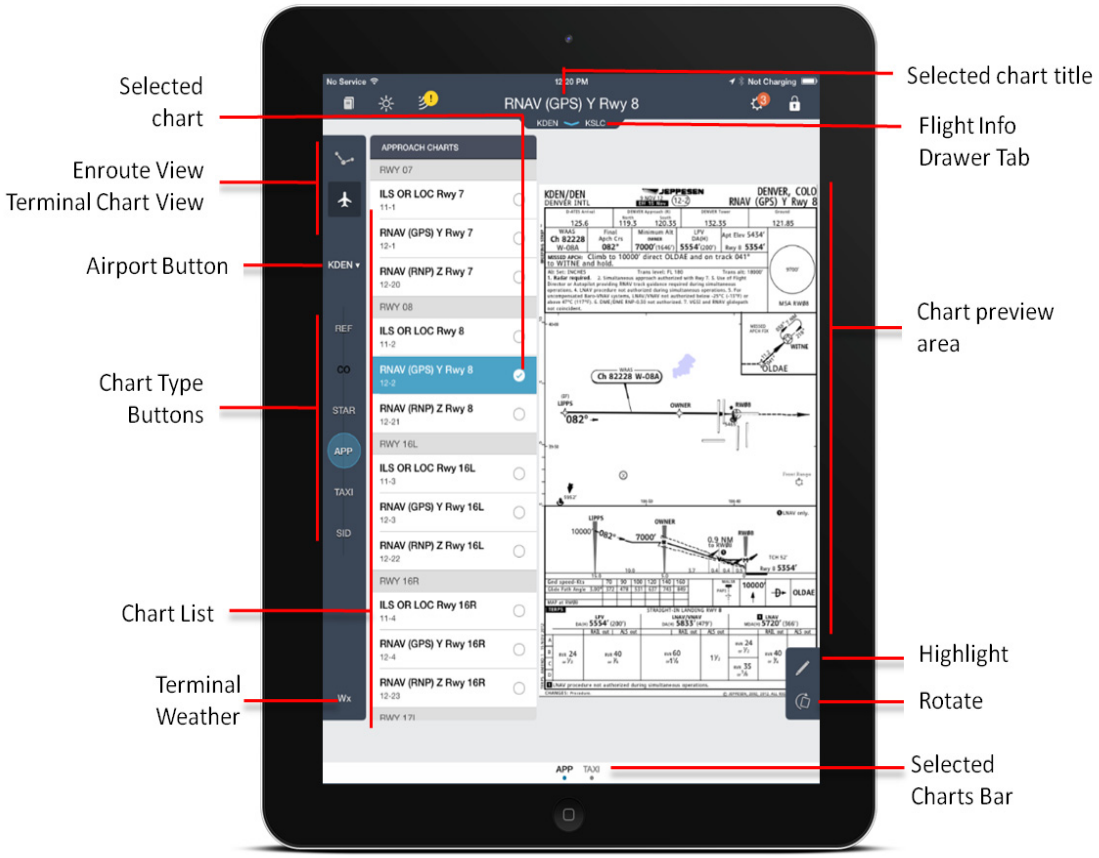
Accessing Terminal Chart Information

You can preview and select multiple charts for the active flight, highlight and rotate the chart, view ownship position, and display METAR/TAF from the Terminal Charts view.

Working with Terminal Charts



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Highlight a Chart

To highlight information on a terminal chart, tap the **Highlight** button. In highlight mode, your finger acts as a highlighter on the chart. Tap the **Highlight** button again to exit highlight mode or tap one of the following buttons:

- **Undo** button to remove the last highlight.
- **Clear All** button to clear all highlights.

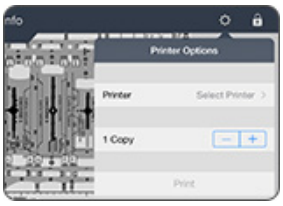
NOTE Highlights persist on the chart until you remove the highlights or update the chart. Highlights do not accompany charts that are shared between devices.

Rotate a Chart

To rotate a chart, tap the **Rotate** button. Each time that you tap the **Rotate** button, the chart turns 90 degrees clockwise.

NOTE The rotated view does not accompany a chart that is shared between devices.

Print a Terminal Chart



To print the displayed chart to an AirPrint-enabled printer:

1. Tap the **Settings** button on th Mobile FliteDeck toolbar.
2. Tap **Print**.
3. Select the printer and the number of copies.
4. Tap the **Print** button.

NOTE Charts print out one per page and cannot be re-formatted.

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Access Charts for Airports Not Associated with an Active Flight

To access terminal charts for an airport not associated with the active flight:

1. Tap the **Airports** button.
2. Tap the **All Airports** button at the bottom of the Airports popover.
3. Tap in the Search field and enter the city name or airport ICAO or IATA identifier.
4. Tap the airport name from the results list to select it.
5. Tap a chart type button and scroll through the list of charts for that airport's chart type.

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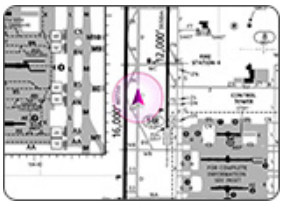
Viewing Your Flight with Respect to the Terminal Air Structure

NOTE Displaying ownship position on the Taxi chart is designed to assist flight crews in orienting themselves on the airport surface and improving pilot positional awareness during taxi operations. This function is not to be used as the basis for ground maneuvering and is limited to ground operations. Operators may require additional authorizations to use this function.

Display Ownship on Approach Charts



Mobile FliteDeck displays ownship position on approach charts when these conditions are met:

- Display Ownship on Approach Charts in JeppFD global settings is set to ON.
- The minimum required GPS accuracy to display ownship on approach charts is met.

NOTE The minimum required GPS accuracy to display ownship on approach charts is 50 meters.

Temporarily Disable Ownship on Approach Charts

There may be situations when you want to temporarily disable the ownship from appearing on the approach chart.

To do so, tap the **GPS Status** button while viewing the approach chart, and switch **Ownship on Approach** to OFF.

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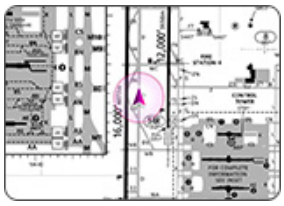
View the Off-Map Indicator on Approach Charts

Mobile FliteDeck provides an off-map indicator as a visual cue as to the direction from which your aircraft is approaching when these conditions are met:

- Display Ownship on Approach Charts in JeppFD global settings is set to ON.
- Your aircraft is within 10NM of the approach chart boundary.
- The minimum required GPS accuracy to display ownship on approach charts is met.

NOTE The minimum required GPS accuracy to display ownship on approach charts is 50 meters.

Display Ownship on Taxi Charts



Mobile FliteDeck displays ownship on the airport diagram when these conditions are met:

- Display Ownship on Taxi Charts in JeppFD global settings is set to ON.
- Your aircraft is moving no faster than the speed specified in the Arpt Diagram (10-9) Speed Threshold in JeppFD global settings. The speed threshold is 40 knots by default.
- The minimum required GPS accuracy to display ownship on taxi charts is met.

NOTE The minimum required GPS accuracy to display ownship on taxi charts is 17 meters.

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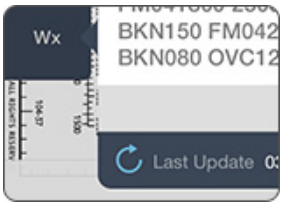
Automatic Switch to the Airport Diagram Upon Landing

Mobile FliteDeck automatically switches to the airport diagram upon landing when these conditions are met:

- Show Taxi On Landing is set to ON from the Settings button on the Mobile FliteDeck toolbar.
- Your aircraft is moving no faster than the speed specified in the Arpt Diagram (10-9) Speed Threshold field in JeppFD global settings.

Displaying Terminal Weather



To view METAR or TAF weather data:

- Tap the **Weather** button from the Terminal Charts view.

  A Weather popover for the selected airport opens.

NOTE Weather data is provided by Jeppesen. Jeppesen receives source data primarily from the National Weather Service and the UK Met Office, as well as other private weather providers that Jeppesen utilizes in creating aviation-specific weather information.

If the weather data is expired, a weather warning appears in red in the same location as the weather age. METAR and TAF updates occur separately.

To manually update the weather data:

- Tap the **Reload** button at the bottom of the Weather popover.
- Tap away from the popover to dismiss it.

NOTE You can also view METAR/TAF weather data from the enroute view from an Airport popover.

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Viewing Mid-Cycle Chart Revisions

When charts with multiple revision dates are available, you can select the revision date you prefer for all charts at the airport, as well as on a chart-by-chart basis.

A mid-cycle chart revision occurs when a chart takes effect in the middle of a scheduled chart revision time period.

About Mid-Cycle Chart Revisions

Whenever Terminal Charts are updated, most all charts are effective upon receipt and available to you immediately in FliteDeck Pro.

Some charts, however, take effect mid-cycle. For those charts that take effect mid-cycle, Mobile FliteDeck displays an amber badge, which indicates that a mid-cycle chart revision is available. The badge appears within 24 hours of the revised chart effectivity change.

NOTE Always brief selected terminal charts including a review of effectivity dates.

Switch Between Available Chart Versions from the Airports List

Whenever a revision exists for a chart at an airport in your route, Mobile FliteDeck displays an effectivity badge on the Airports button and in the expanded Route Airports list.

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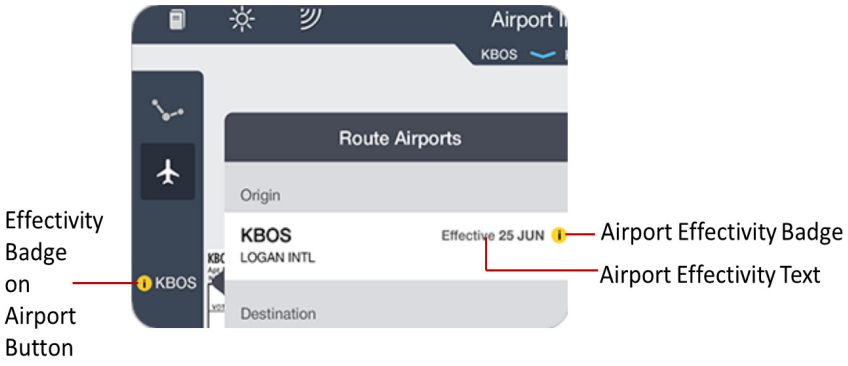
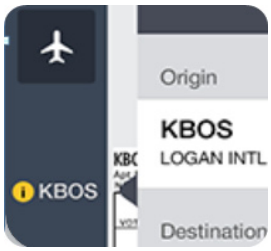


To view effective dates and access the option to switch between available chart versions for the airport:

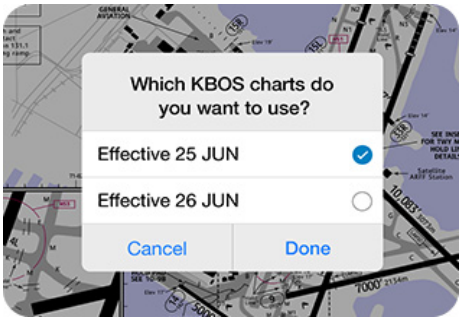


1. Tap the route **Airports** button.

   Mobile FliteDeck displays the list of airports for the active flight, and airport effectivity text and badges, if applicable.

2. Tap the **Airport Effectivity** badge.

   Mobile FliteDeck displays the Airport Revision Selector and prompts you to choose the effectivity date of the charts that you want to view..



3. Complete the action by doing one of the following:

   - Tap the date to use charts with a different effectivity date, and then tap **Done**.

- Tap **Cancel** to dismiss the Airport Revision Selector and continue viewing the current chart version.

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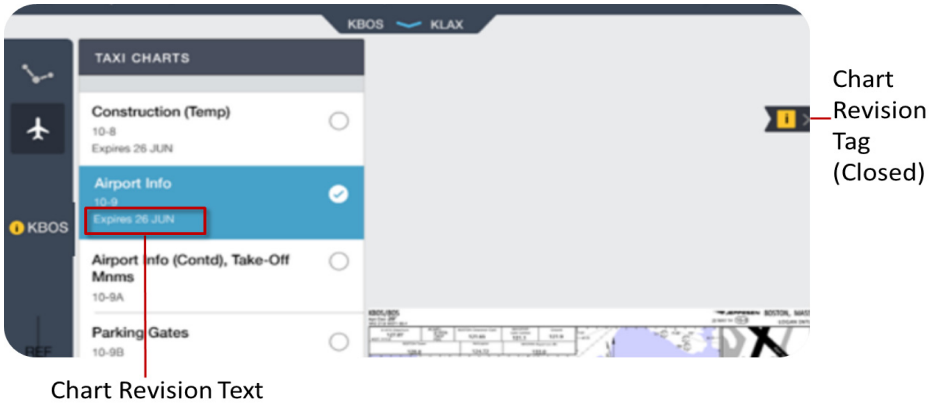
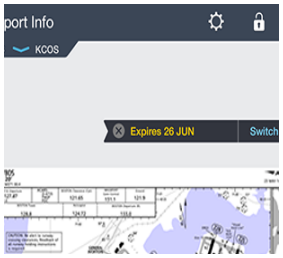
Switch Between Available Chart Versions on a Chart-by-Chart Basis

When you view a chart with more than one version available, Mobile FliteDeck also displays chart revision text in the chart list and a chart revision tag on the chart itself.



To view effective dates and access the option to switch between available chart versions while viewing a chart:



1. Tap the **Chart Revision** tag.

   Mobile FliteDeck expands the Chart Revision tag and indicates the effective date of the chart being used.

2. Tap the **Switch** button.

   Mobile FliteDeck displays the Airport Revision Selector and prompts you to choose the effectivity date of the chart that you want to view.

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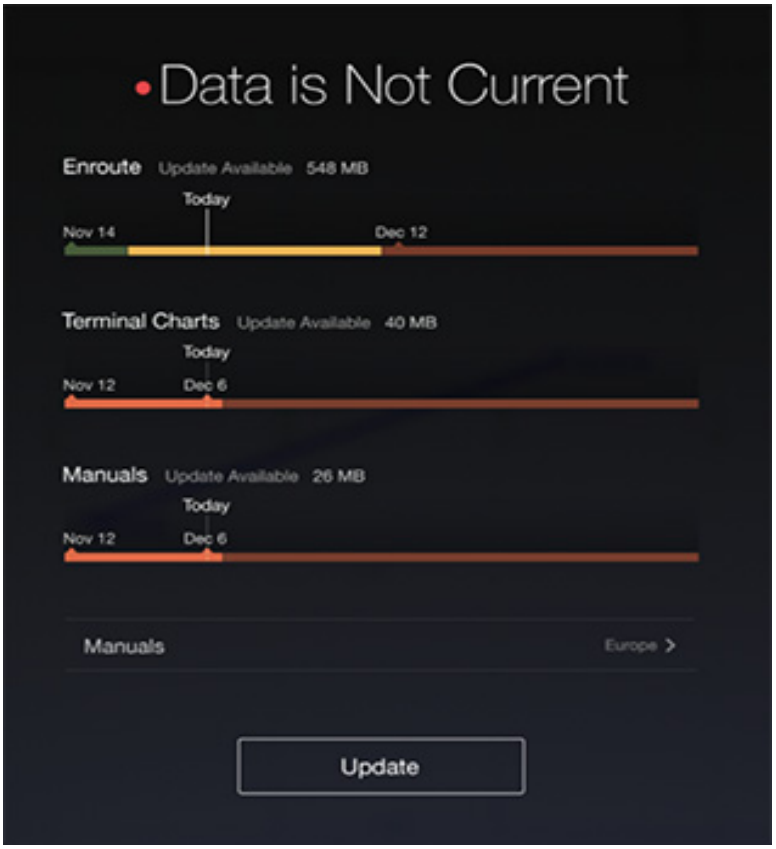
Performing Data Updates

Mobile FliteDeck provides a simple way to verify the status of your enroute and terminal chart data, and any downloaded manuals.

At any time, you can tap the **Settings** button from the Mobile FliteDeck toolbar, and then tap **Updates** to view the status of your enroute and terminal chart data, and any selected manuals.

Data is identified as **Current** or **Not Current**.



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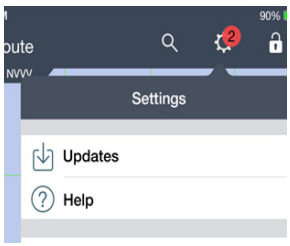
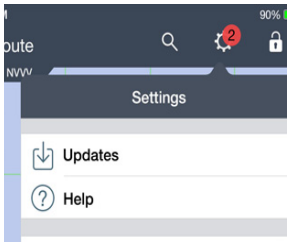
Perform an Update



Whenever data updates are available, a badge appears on the Mobile FliteDeck toolbar Settings button. The badge indicates the number of updates available.

- The badge is amber when data in use is current, and an update is available.
- The badge is red when data is not current, and an update is available.

NOTE The time necessary to download and perform updates depends on the speed of the Internet connection and the size of the data coverage area. Ensure that you have the necessary time and bandwidth to perform the complete update before commencing the update.



To perform an update:

1. Tap the **Settings** button.
2. Tap **Updates**.
3. Tap the **Update** button.

- At any time during an update, you can pause the download by tapping the Pause button at the top of the update status line. If more than one update is available, Mobile FliteDeck automatically begins to download the next available update.
- To resume downloading after pausing an update, tap the **Resume** button at the top of the update status line.
- To cancel all updates and exit Updates, tap the **X** at the top of the Updates screen. To resume updates after having canceled, tap the **Settings** button, tap **Updates**, and then tap the **Resume** button.

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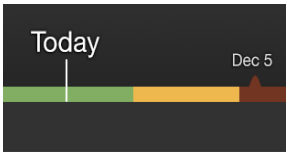
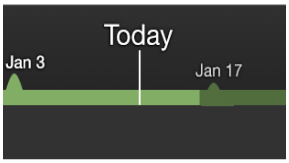
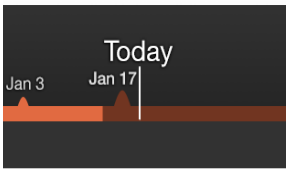
Recognize Updates Bar Color Codes



The Updates bar color code meanings are:

- Green: Current data is in use.
- Amber: Current data is in use, and an update is available.
- Red: Data is not current, and an update is available.





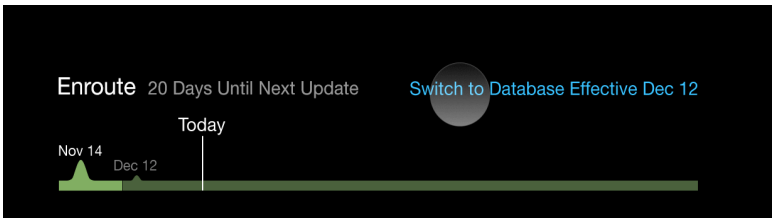
When two sets of data are available, the bar color code meanings are:

- Light green: Current data is in use.
- Dark green: Data is available, but not in use.
- Light red: Data is not current.
- Dark red: Next update has not been downloaded.

Switch Between Two Available Enroute Database Versions

To manually change enroute database versions when more than one version of the database is available:

1. Tap the **Settings** button.
2. Tap the **Updates** button.
3. Tap the **Switch Back to Data Expiring [date]** to view that database.
4. To return to the current database, tap **Switch to Data Effective [date].**



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Perform an Unscheduled Update

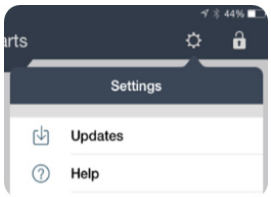
Mobile FliteDeck enables you to complete an unscheduled update for any data type—that is, terminal chart, enroute, or manual updates.

An unscheduled (or off-cycle) update is an unplanned change. For example, an unscheduled update can occur due to an error on an existing chart or, in the case of company manuals, when a publication is not on an update cycle.

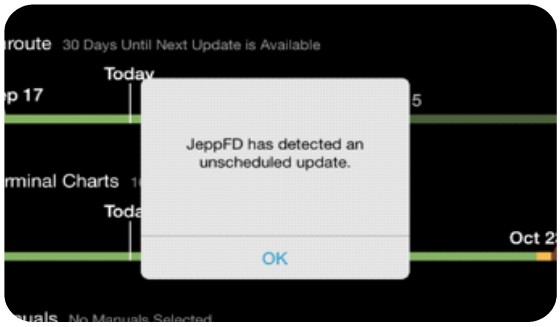
Unscheduled updates are initiated by your company or by Jeppesen on a case-by-case basis. Notification of an unscheduled update will come from an external communication.

Whenever you receive notice that there is an unscheduled update, you can go into Mobile FliteDeck to perform the update.

To perform an unscheduled update:



1. Tap the **Settings** button.
2. Tap **Updates**.
3. Mobile FliteDeck displays an alert if an unscheduled update is available.



4. To perform the unscheduled update, tap **OK**.
5. Tap the **Update** button.
6. When updates are complete, tap the **X** at the top of the Updates screen to dismiss it.

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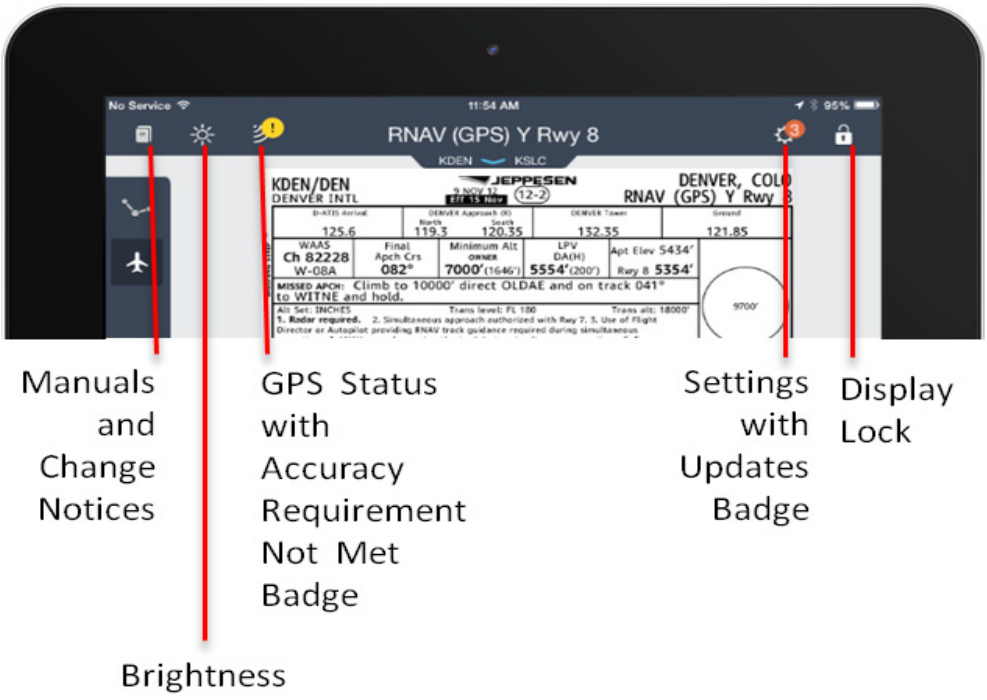
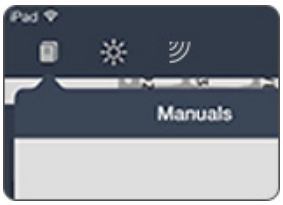
Using the Mobile FliteDeck Toolbar


RNAV (GPS) Y Rwy 8
Manuals and Change Notices
GPS Status with Accuracy Requirement Not Met Badge
Settings with Updates Badge
Display Lock
Brightness

View Manuals

The Manuals button provides access to both manuals and change notices. As with all buttons on the toolbar, the Manuals button is available from all views and display orientations.



NOTE You must have a PDF reader app installed on your iPad to view manuals.

To view a manual:

1. Tap the **Manuals** button on the Mobile FliteDeck toolbar.
2. Select the manual that you want to view.
3. Select the PDF reader app of your choice.

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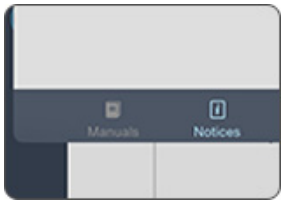
You can use a four-finger swipe to move between the PDF reader app and the Mobile FliteDeck app.

NOTE In addition to Jeppesen Standard Airway Manuals, your company documents might also be available from the Manuals button.

View Change Notices



Change notices are available based on your current view. For example, in the Enroute view, change notices are displayed by region. In the Terminal Charts view, change notices are displayed for the selected airport.

To view change notices:

1. Tap the **Manuals** button.
2. Tap the **Notices** button at the bottom of the Manuals popover.

- From the Terminal Charts view, any available notices for the selected airport appear in the popover.
- From the Enroute view, select the region for which you want to view change notices, and then select the PDF reader app of your choice to view the notices.

NOTE You can access the most recent change notices by tapping the jeppesen.com link at the bottom of the Change Notices popover.

On-Demand Change Notices

On-demand change notices contain the same content that both NavData and Chart Change Notices contain, except that the on-demand change notices are updated on a daily basis. You can also search the on-demand change notices for a single airport or FIR.

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To access on-demand change notices:

1. Tap the **Manuals** button.
2. Tap the **Notices** button at the bottom of the Manuals popover.
3. Tap **View More Recent Change Notices at jeppesen.com** at the bottom of the popover.

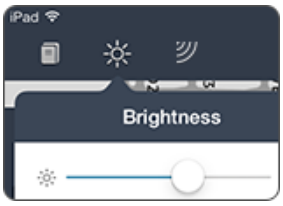
A browser window opens.

- Select your desired output format (Jeppesen or ICAO).
- Select Airports or FIRs.
- Tap in the Search field and enter the airport or FIR boundary name.
- Tap the **Search** button.

NOTE Always check NOTAMs and all other pertinent information prior to flight.

You can use a four-finger swipe to navigate between the browser and the Mobile FliteDeck app.

Adjust Brightness and Night Theme



The Brightness button enables you to quickly adjust the display brightness. You can also switch between Day and Night theme.

The Brightness button appears on the toolbar from all views and display orientations.

NOTE The Brightness button controls the brightness setting for the whole iPad until the iPad goes into sleep mode or is restarted, at which point the previous iPad brightness setting will take effect.

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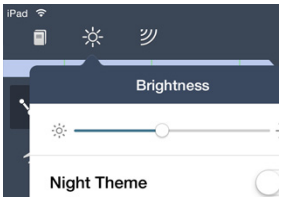
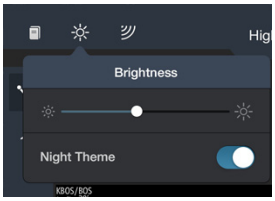
Adjust Brightness



To adjust brightness:

1. Tap the **Brightness** button.
2. Slide the brightness control to decrease or increase the display brightness.

Switch to Night Theme

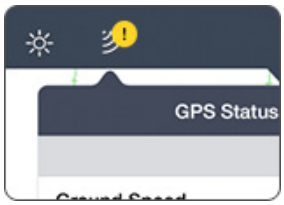


To adjust for optimal viewing in low-light conditions:

1. Tap the **Brightness** button.
2. Switch **Night Theme** to ON.

Display GPS Status

NOTE Mobile FliteDeck displays the GPS Status button on the toolbar when the Moving Map setting or one of the Display Ownship settings in JeppFD global settings is set to ON.



Tap the **GPS Status** button to view the current ground speed, GPS altitude, last position received, and accuracy status.

GPS Badge Status

A badge appears over the **GPS Status** button if the GPS signal does not meet the minimum accuracy requirement. The minimum required GPS accuracy to display ownship position is:

- 200 meters for the enroute map
- 50 meters for approach charts
- 17 meters for taxi charts

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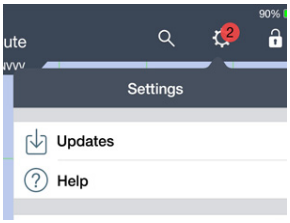
Access Settings

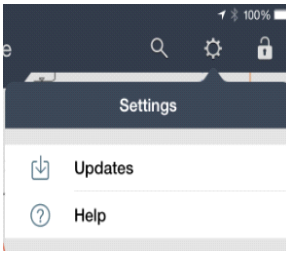
In addition to Updates, you can use the Settings button to access in-app help, terrain legend display and airport diagram viewing options.

Updates



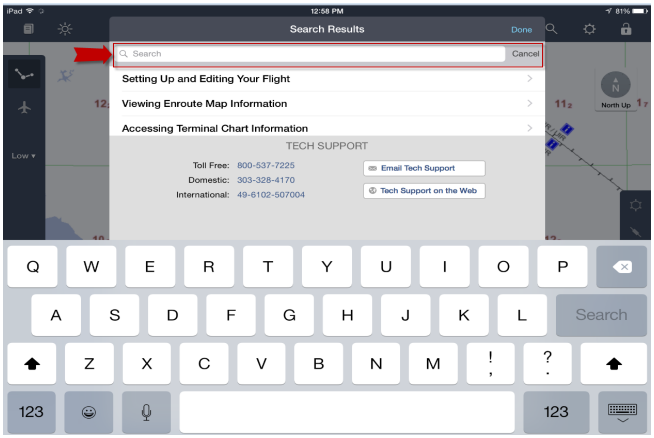
At any time, you can tap the **Settings** button from the Mobile FliteDeck toolbar, and tap **Updates** to view the status of your Enroute, Terminal Charts, and Manuals data and perform updates. See Performing Data Updates as described on page 77 for more information.

Help



To access the Mobile FliteDeck in-app Help:

1. Tap the **Settings** button.
2. Tap **Help**.
3. Perform one of these actions:
   - Tap in the Search field and enter your search request.
   - Navigate the Help topics by tapping a topic.
4. Tap **Done** at the top of the Help window to dismiss the Help screen.



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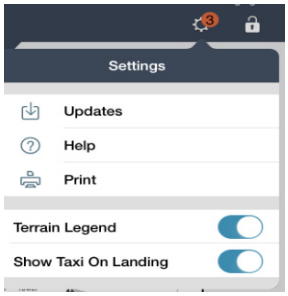
Hide the Terrain Legend



You might need to see the entire enroute map without the terrain legend overlaid on it. The Terrain Legend is ON by default.

To hide the terrain legend:

1. Tap the **Settings** button.
2. Switch **Terrain Legend** to OFF.
3. Tap away from the Settings popover to dismiss it.

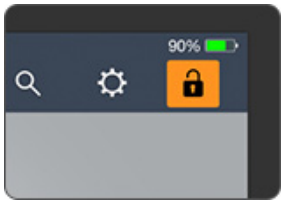
Switch to the Airport Diagram Upon Landing

To direct Mobile FliteDeck to automatically switch to the airport diagram upon landing:

1. Tap the **Settings** button.
2. Ensure that **Show Taxi on Landing** is switched to ON.
3. Tap away from the Settings popover to dismiss it.

NOTE The switch to the airport diagram occurs when your aircraft is moving no faster than the speed specified in the **Arpt Diagram (10-9) Speed Threshold** in JeppFD global settings.

Lock the Display



To lock and unlock the Mobile FliteDeck display, tap the **Display Lock** button on the toolbar.

Locking the display prevents you from accidentally panning or zooming away from the current display.

When the display is locked, the **Display Lock** button is highlighted and you cannot access any other Mobile FliteDeck button.

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